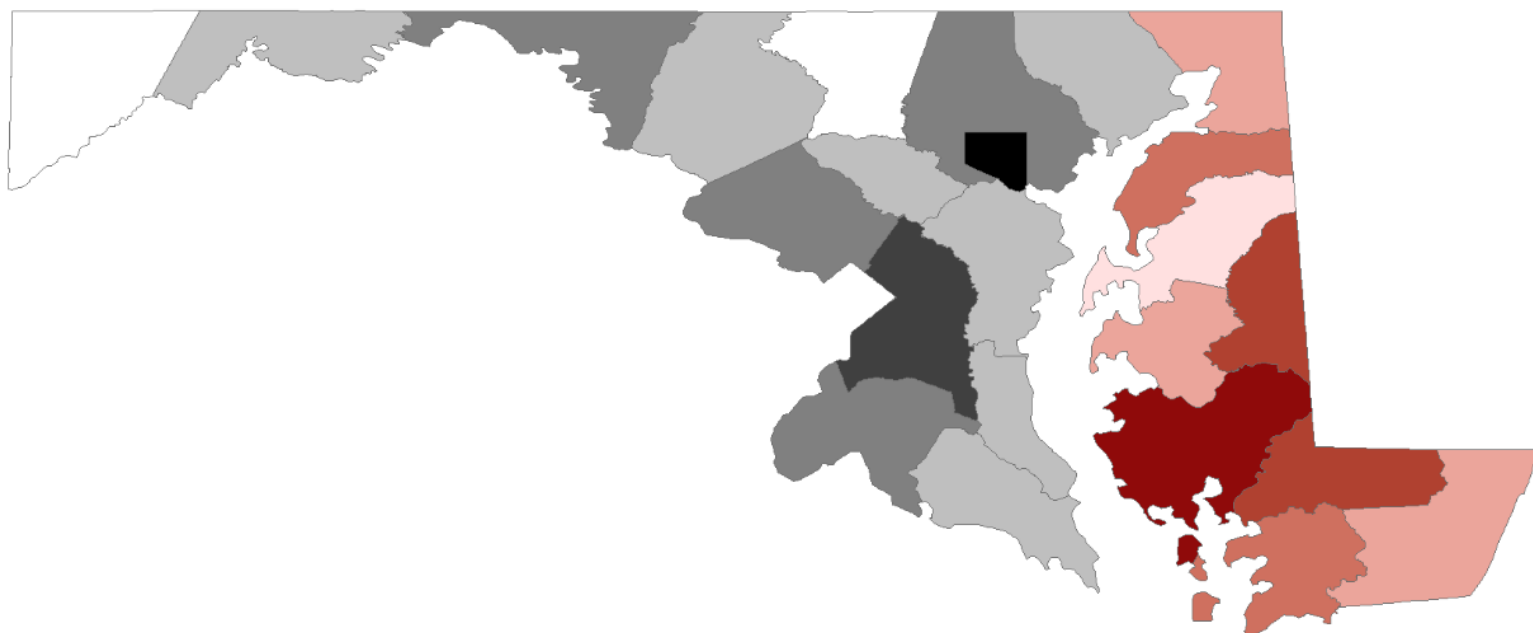


# 2014



## Eastern Region HIV Annual Epidemiological Profile

Data reported through December 31, 2015

Center for HIV Surveillance, Epidemiology and Evaluation  
Infectious Disease Epidemiology and Outbreak Response Bureau  
Prevention and Health Promotion Administration  
Maryland Department of Health and Mental Hygiene  
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# Section I – Background Information

## HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in COMAR 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing DHMH Form 1140. Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department by mailing DHMH Form 1140. Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing DHMH Form 1140. Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the State Health Department to establish electronic reporting.
- Laboratory Chiefs are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland State Health Department, by mailing DHMH Form 4492. Laboratories are encouraged to contact the State Health Department to establish electronic reporting.

Reporting forms and instructions are available on our website:

<http://phpa.dhmdh.maryland.gov/OIDEOR/CHSE/Pages/reporting-material.aspx>

## For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Health Department, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

## Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis. Nationally, it has been estimated that 12.8% of people living with HIV infection are undiagnosed. In Maryland, it has been estimated that 18.7% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. In addition, many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. It is important to note that surveillance is an ongoing systematic collection, analysis, interpretation, and dissemination of laboratory data. Furthermore, laboratory data are only available for cases receiving medical care, usually only at facilities in Maryland, and only includes test results that have been reported to the health department. Linkage to care data is based solely on laboratory data reported to the health department. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in the number of reported HIV diagnoses.

## Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

A case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, and years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would probably be many years after the initial HIV infection [time point 1].

## Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old diagnosed cases as well as undiagnosed infections. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (the end of the year) are used to generate the number of diagnoses during the prior years. This one-year lag allows for delays in reporting and time to complete investigations. For example, the Reported HIV Diagnoses for 2014 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 01/01/2014-12/31/2014, as reported by name through 12/31/2015.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 12/31/2015 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2015 as reported by name through 12/31/2015.



## Laboratory Data

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4 cells per microliter of blood. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured regularly, at least once per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" after diagnosis or is "in care."

## Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health and Mental Hygiene's Enhanced HIV/AIDS Reporting System (eHARS), December 31, 2015.

Population data by sex, age, and race/ethnicity are from the July 1, 2014 U.S. Census Estimates and by country-of-birth from the 2013 American Community Survey (note the difference in total population due to different source). Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

## Tabulation of Column Totals

Figures in tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

## Data Suppression

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

## HIV Exposure Categories

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who have sex with men and report injection drug use constitutes a separate transmission category.

**MSM (Men who have Sex with Men):** Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

**Injection Drug Use (IDU):** Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

**MSM/IDU:** Men who report a history of sexual contact with other men who also have engaged in injection drug use.

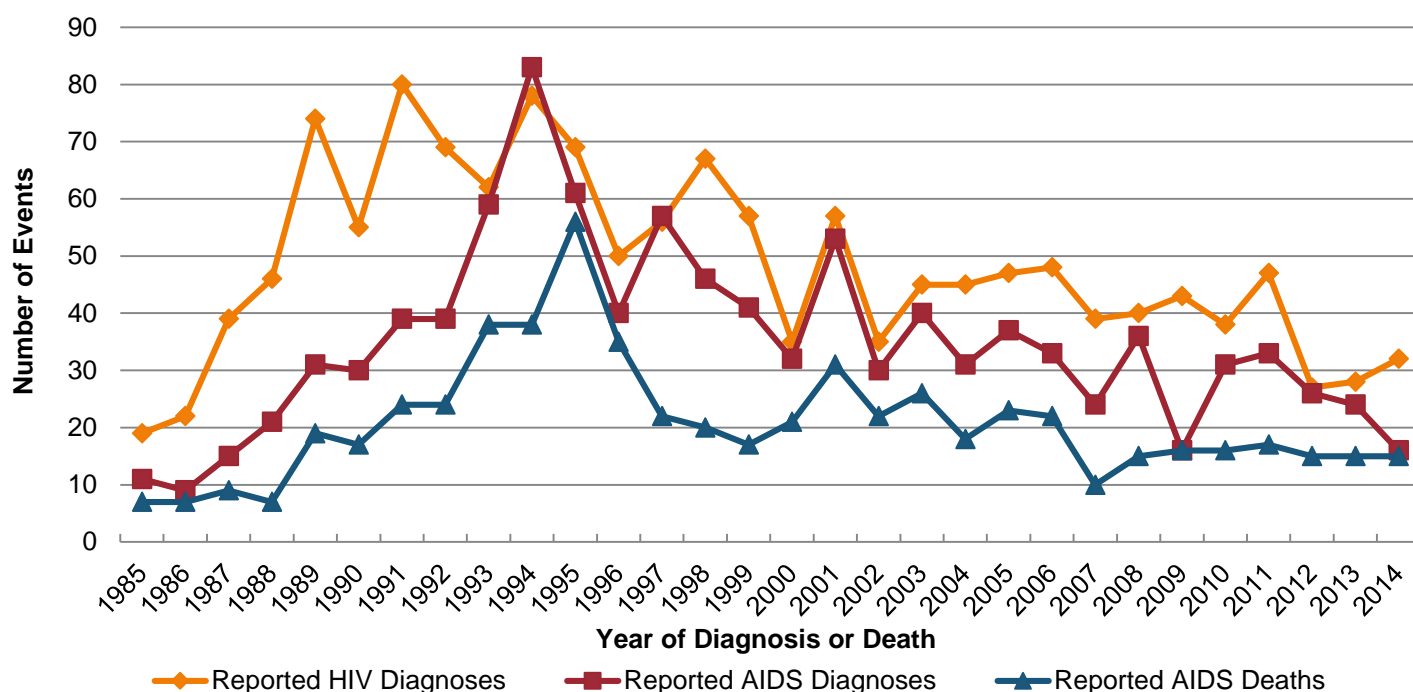
**Heterosexual Exposure (HET):** Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

**Perinatal Exposure:** Any baby born to an HIV positive mother.

## Section II – Trends 1985-2014

**Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2014, Reported through 12/31/2015**

Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2014 as Reported through 12/31/2015



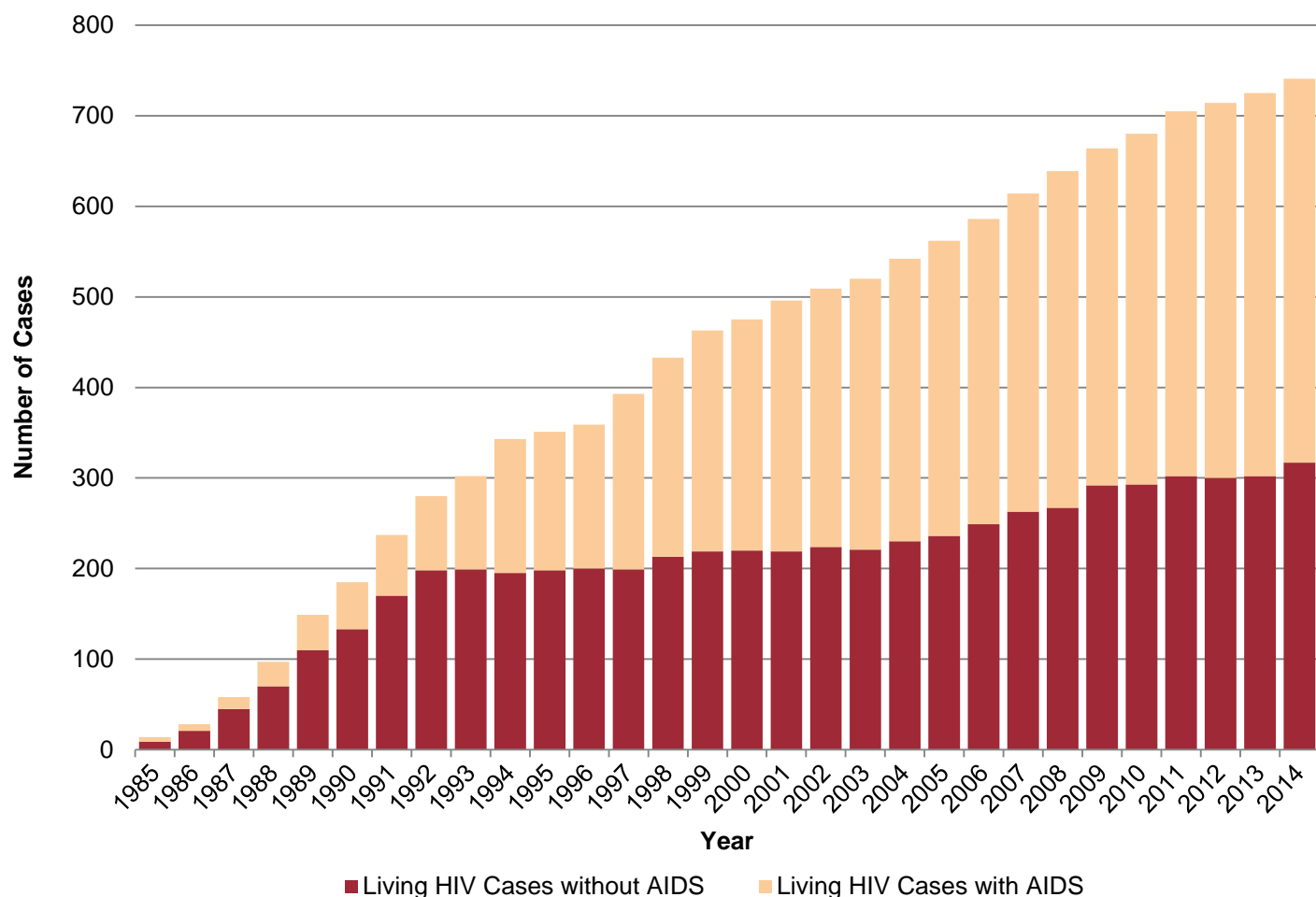
During the 2007-2008 transition to name-based reporting, many HIV cases were reported by a recent HIV diagnosis and not by their earliest HIV diagnosis, resulting in an artificial upward trend in HIV diagnoses during the period 2001-2008.

YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS	YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS
<1985	8	7	6	2000	35	32	21
1985	19	11	7	2001	57	53	31
1986	22	9	7	2002	35	30	22
1987	39	15	9	2003	45	40	26
1988	46	21	7	2004	45	31	18
1989	74	31	19	2005	47	37	23
1990	55	30	17	2006	48	33	22
1991	80	39	24	2007	39	24	10
1992	69	39	24	2008	40	36	15
1993	62	59	38	2009	43	16	16
1994	78	83	38	2010	38	31	16
1995	69	61	56	2011	47	33	17
1996	50	40	35	2012	27	26	15
1997	56	57	22	2013	28	24	15
1998	67	46	20	2014	32	16	15
1999	57	41	17	TOTAL	1,457	1,051	628



**Figure 2 – Trends in Living HIV Cases, 1985-2014, Reported through 12/31/2015**

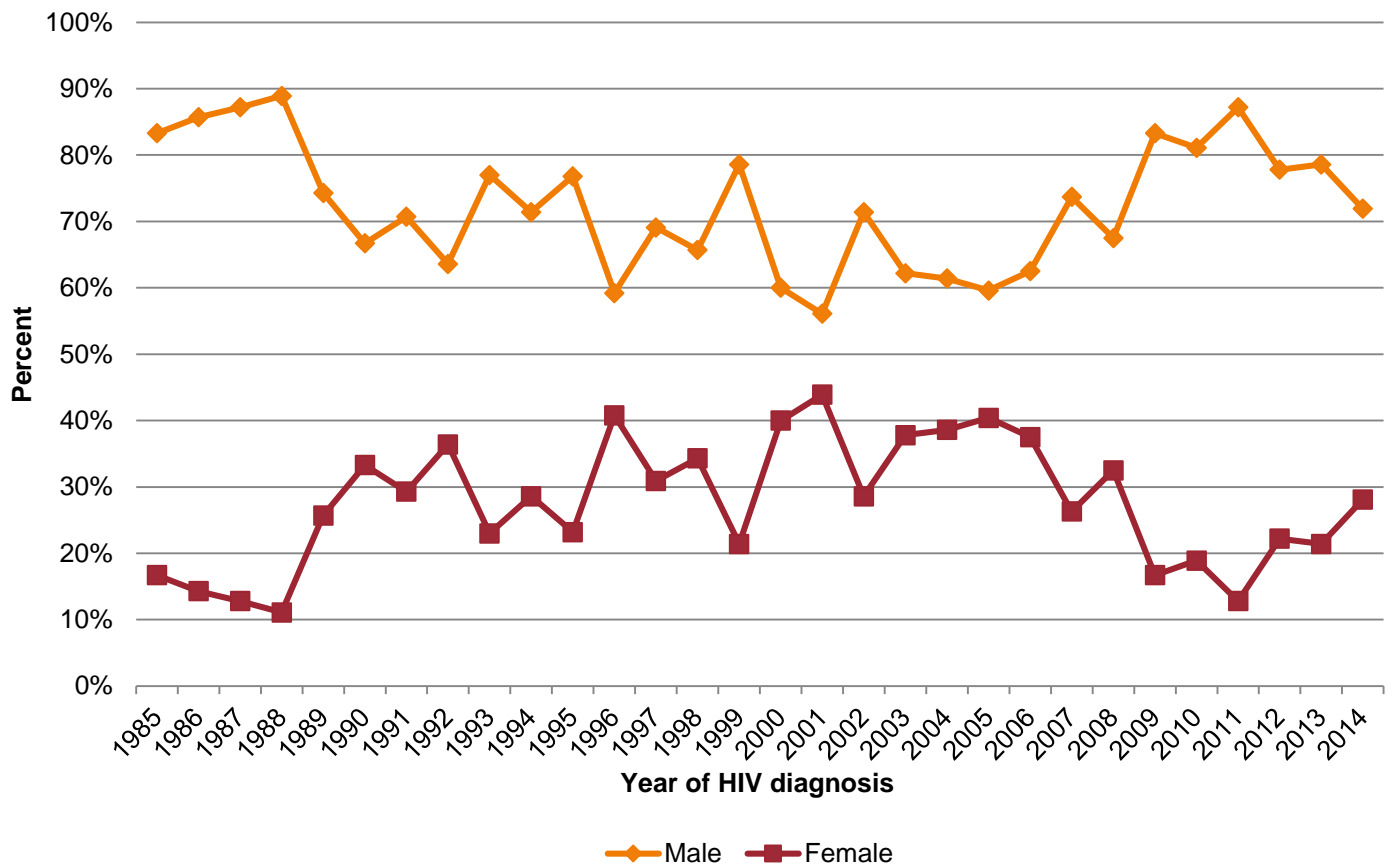
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2014, as Reported through 12/31/2015



YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES	YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES
1985	9	5	14	2000	220	255	475
1986	21	7	28	2001	219	277	496
1987	45	13	58	2002	224	285	509
1988	70	27	97	2003	221	299	520
1989	110	39	149	2004	230	312	542
1990	133	52	185	2005	236	326	562
1991	170	67	237	2006	249	337	586
1992	198	82	280	2007	263	351	614
1993	199	103	302	2008	267	372	639
1994	195	148	343	2009	292	372	664
1995	198	153	351	2010	293	387	680
1996	200	159	359	2011	302	403	705
1997	199	194	393	2012	300	414	714
1998	213	220	433	2013	302	423	725
1999	219	244	463	2014	317	424	741

### Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2014, Reported through 12/31/2015

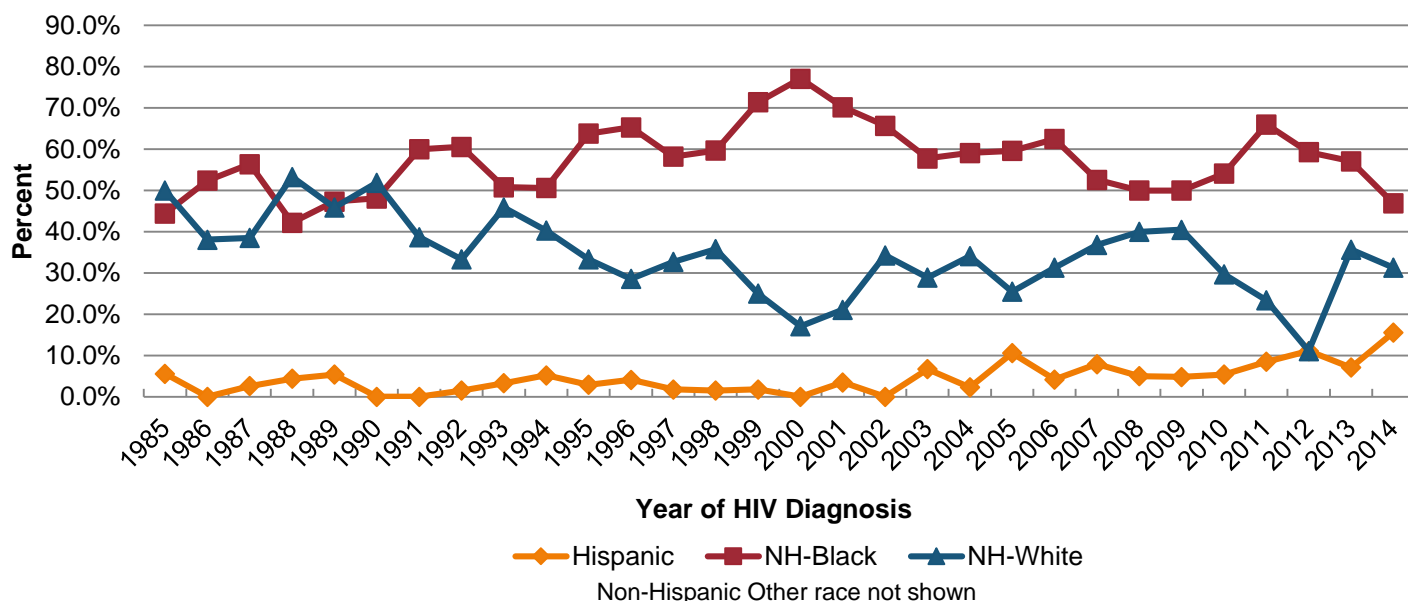
Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2014, as Reported through 12/31/2015



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES			YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES		
	No.	% Male	% Female		No.	% Male	% Female
<1985	8	87.5%	12.5%	2000	35	60.0%	40.0%
1985	18	83.3%	16.7%	2001	57	56.1%	43.9%
1986	21	85.7%	14.3%	2002	35	71.4%	28.6%
1987	39	87.2%	12.8%	2003	45	62.2%	37.8%
1988	45	88.9%	11.1%	2004	44	61.4%	38.6%
1989	74	74.3%	25.7%	2005	47	59.6%	40.4%
1990	54	66.7%	33.3%	2006	48	62.5%	37.5%
1991	75	70.7%	29.3%	2007	38	73.7%	26.3%
1992	66	63.6%	36.4%	2008	40	67.5%	32.5%
1993	61	77.0%	23.0%	2009	42	83.3%	16.7%
1994	77	71.4%	28.6%	2010	37	81.1%	18.9%
1995	69	76.8%	23.2%	2011	47	87.2%	12.8%
1996	49	59.2%	40.8%	2012	27	77.8%	22.2%
1997	55	69.1%	30.9%	2013	28	78.6%	21.4%
1998	67	65.7%	34.3%	2014	32	71.9%	28.1%
1999	56	78.6%	21.4%	TOTAL	1,436	71.6%	28.4%

**Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2014, Reported through 12/31/2015**

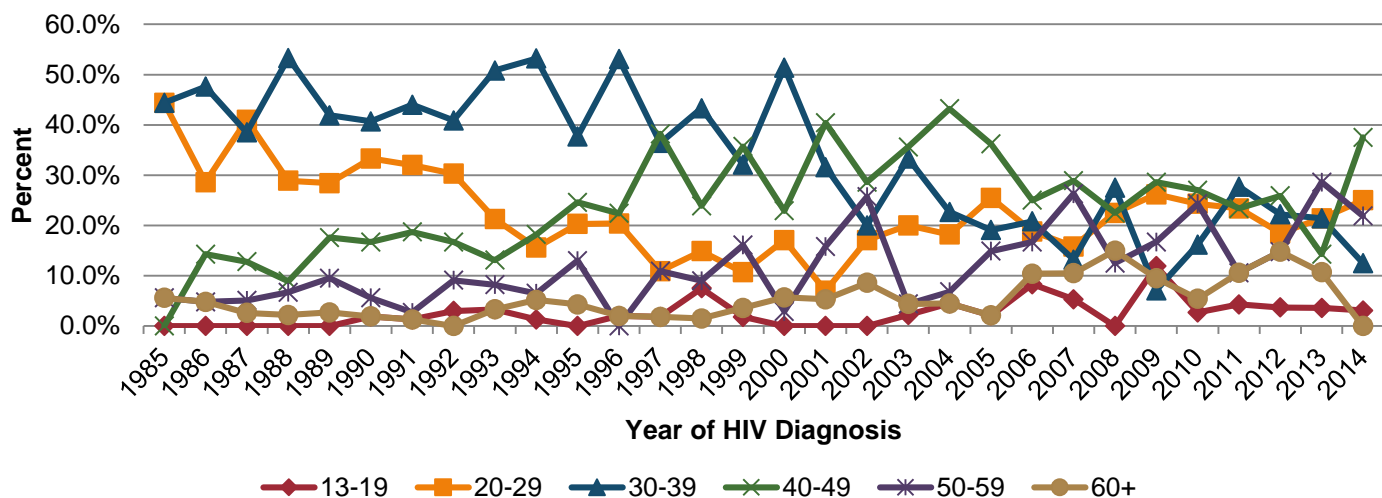
Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2014, as Reported through 12/31/2015



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES				
	No.	% Hispanic	% Non-Hispanic Black, only	% Non-Hispanic White, only	% Non-Hispanic Other Race
<1985	8	0.0%	62.5%	37.5%	0.0%
1985	18	5.6%	44.4%	50.0%	0.0%
1986	21	0.0%	52.4%	38.1%	9.5%
1987	39	2.6%	56.4%	38.5%	2.6%
1988	45	4.4%	42.2%	53.3%	0.0%
1989	74	5.4%	47.3%	45.9%	1.4%
1990	54	0.0%	48.1%	51.9%	0.0%
1991	75	0.0%	60.0%	38.7%	1.3%
1992	66	1.5%	60.6%	33.3%	4.5%
1993	61	3.3%	50.8%	45.9%	0.0%
1994	77	5.2%	50.6%	40.3%	3.9%
1995	69	2.9%	63.8%	33.3%	0.0%
1996	49	4.1%	65.3%	28.6%	2.0%
1997	55	1.8%	58.2%	32.7%	7.3%
1998	67	1.5%	59.7%	35.8%	3.0%
1999	56	1.8%	71.4%	25.0%	1.8%
2000	35	0.0%	77.1%	17.1%	5.7%
2001	57	3.5%	70.2%	21.1%	5.3%
2002	35	0.0%	65.7%	34.3%	0.0%
2003	45	6.7%	57.8%	28.9%	6.7%
2004	44	2.3%	59.1%	34.1%	4.5%
2005	47	10.6%	59.6%	25.5%	4.3%
2006	48	4.2%	62.5%	31.3%	2.1%
2007	38	7.9%	52.6%	36.8%	2.6%
2008	40	5.0%	50.0%	40.0%	5.0%
2009	42	4.8%	50.0%	40.5%	4.8%
2010	37	5.4%	54.1%	29.7%	10.8%
2011	47	8.5%	66.0%	23.4%	2.1%
2012	27	11.1%	59.3%	11.1%	18.5%
2013	28	7.1%	57.1%	35.7%	0.0%
2014	32	15.6%	46.9%	31.3%	6.3%
TOTAL	1,436	4.0%	57.7%	34.9%	3.4%

**Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2014, Reported through 12/31/2015**

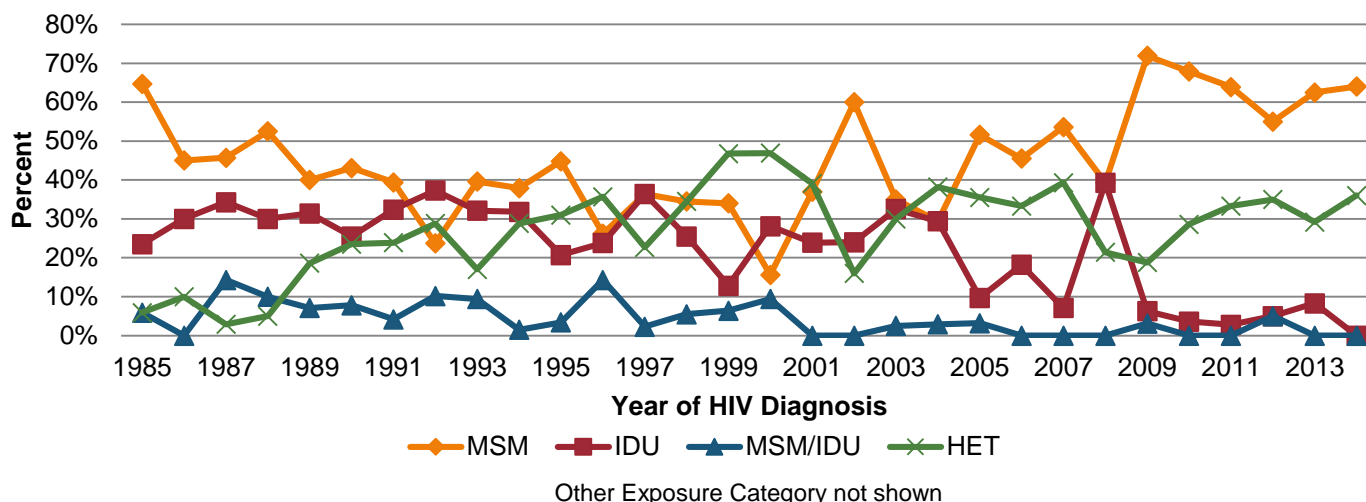
Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2014, as Reported through 12/31/2015



YEAR OF HIV DIAGNOSIS	REPORTED ADULT/ADOLESCENT HIV DIAGNOSES						
	No.	% Age 13-19	% Age 20-29	% Age 30-39	% Age 40-49	% Age 50-59	% Age 60+
<1985	8	12.5%	25.0%	37.5%	12.5%	12.5%	0.0%
1985	18	0.0%	44.4%	44.4%	0.0%	5.6%	5.6%
1986	21	0.0%	28.6%	47.6%	14.3%	4.8%	4.8%
1987	39	0.0%	41.0%	38.5%	12.8%	5.1%	2.6%
1988	45	0.0%	28.9%	53.3%	8.9%	6.7%	2.2%
1989	74	0.0%	28.4%	41.9%	17.6%	9.5%	2.7%
1990	54	1.9%	33.3%	40.7%	16.7%	5.6%	1.9%
1991	75	1.3%	32.0%	44.0%	18.7%	2.7%	1.3%
1992	66	3.0%	30.3%	40.9%	16.7%	9.1%	0.0%
1993	61	3.3%	21.3%	50.8%	13.1%	8.2%	3.3%
1994	77	1.3%	15.6%	53.2%	18.2%	6.5%	5.2%
1995	69	0.0%	20.3%	37.7%	24.6%	13.0%	4.3%
1996	49	2.0%	20.4%	53.1%	22.4%	0.0%	2.0%
1997	55	1.8%	10.9%	36.4%	38.2%	10.9%	1.8%
1998	67	7.5%	14.9%	43.3%	23.9%	9.0%	1.5%
1999	56	1.8%	10.7%	32.1%	35.7%	16.1%	3.6%
2000	35	0.0%	17.1%	51.4%	22.9%	2.9%	5.7%
2001	57	0.0%	7.0%	31.6%	40.4%	15.8%	5.3%
2002	35	0.0%	17.1%	20.0%	28.6%	25.7%	8.6%
2003	45	2.2%	20.0%	33.3%	35.6%	4.4%	4.4%
2004	44	4.5%	18.2%	22.7%	43.2%	6.8%	4.5%
2005	47	2.1%	25.5%	19.1%	36.2%	14.9%	2.1%
2006	48	8.3%	18.8%	20.8%	25.0%	16.7%	10.4%
2007	38	5.3%	15.8%	13.2%	28.9%	26.3%	10.5%
2008	40	0.0%	22.5%	27.5%	22.5%	12.5%	15.0%
2009	42	11.9%	26.2%	7.1%	28.6%	16.7%	9.5%
2010	37	2.7%	24.3%	16.2%	27.0%	24.3%	5.4%
2011	47	4.3%	23.4%	27.7%	23.4%	10.6%	10.6%
2012	27	3.7%	18.5%	22.2%	25.9%	14.8%	14.8%
2013	28	3.6%	21.4%	21.4%	14.3%	28.6%	10.7%
2014	32	3.1%	25.0%	12.5%	37.5%	21.9%	0.0%
TOTAL	1,436	2.6%	22.1%	35.2%	24.2%	11.1%	4.7%

**Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2014, Reported through 12/31/2015**

Percent by Exposure Category of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) and with Reported Exposure Category by Year of HIV Diagnosis from 1985 through 2014, as Reported through 12/31/2015



ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
YEAR	No.	With Exposure Category					
		No.	% MSM	% IDU	% MSM/IDU	% HET	% Other Exposure
<1985	8	6	66.7%	16.7%	0.0%	0.0%	16.7%
1985	18	17	64.7%	23.5%	5.9%	5.9%	0.0%
1986	21	20	45.0%	30.0%	0.0%	10.0%	15.0%
1987	39	35	45.7%	34.3%	14.3%	2.9%	2.9%
1988	45	40	52.5%	30.0%	10.0%	5.0%	2.5%
1989	74	70	40.0%	31.4%	7.1%	18.6%	2.9%
1990	54	51	43.1%	25.5%	7.8%	23.5%	0.0%
1991	75	71	39.4%	32.4%	4.2%	23.9%	0.0%
1992	66	59	23.7%	37.3%	10.2%	28.8%	0.0%
1993	61	53	39.6%	32.1%	9.4%	17.0%	1.9%
1994	77	66	37.9%	31.8%	1.5%	28.8%	0.0%
1995	69	58	44.8%	20.7%	3.4%	31.0%	0.0%
1996	49	42	26.2%	23.8%	14.3%	35.7%	0.0%
1997	55	44	36.4%	36.4%	2.3%	22.7%	2.3%
1998	67	55	34.5%	25.5%	5.5%	34.5%	0.0%
1999	56	47	34.0%	12.8%	6.4%	46.8%	0.0%
2000	35	32	15.6%	28.1%	9.4%	46.9%	0.0%
2001	57	46	37.0%	23.9%	0.0%	39.1%	0.0%
2002	35	25	60.0%	24.0%	0.0%	16.0%	0.0%
2003	45	40	35.0%	32.5%	2.5%	30.0%	0.0%
2004	44	34	29.4%	29.4%	2.9%	38.2%	0.0%
2005	47	31	51.6%	9.7%	3.2%	35.5%	0.0%
2006	48	33	45.5%	18.2%	0.0%	33.3%	3.0%
2007	38	28	53.6%	7.1%	0.0%	39.3%	0.0%
2008	40	28	39.3%	39.3%	0.0%	21.4%	0.0%
2009	42	32	71.9%	6.3%	3.1%	18.8%	0.0%
2010	37	28	67.9%	3.6%	0.0%	28.6%	0.0%
2011	47	36	63.9%	2.8%	0.0%	33.3%	0.0%
2012	27	20	55.0%	5.0%	5.0%	35.0%	0.0%
2013	28	24	62.5%	8.3%	0.0%	29.2%	0.0%
2014	32	25	64.0%	0.0%	0.0%	36.0%	0.0%
TOTAL	1,436	1,196	42.8%	24.2%	4.8%	27.3%	0.9%

## Section III – Adult/Adolescent Cases by Jurisdiction

**Table 1 – Adult/Adolescent HIV Diagnoses during 2014, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 12/31/2015**

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late HIV Diagnosis	% Late HIV Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
Caroline	26,987	3	9.4%	11.1	***	***	***	***	***	***	***
Cecil	85,505	5	15.6%	5.8	***	***	***	***	***	***	***
Dorchester	27,470	6	18.8%	21.8	6	100.0%	***	***	***	***	***
Kent	17,418	3	9.4%	17.2	***	***	***	***	***	***	***
Queen Anne's	41,277	1	3.1%	2.4	***	***	***	***	***	***	***
Somerset	22,645	2	6.3%	8.8	***	***	***	***	***	***	***
Talbot	32,664	1	3.1%	3.1	***	***	***	***	***	***	***
Wicomico	85,525	11	34.4%	12.9	9	81.8%	***	***	***	***	***
Worcester	45,243	0	0.0%	0.0	0	0.0%	0	0.0%	0	0.0%	--
<b>TOTAL</b>	<b>384,734</b>	<b>32</b>	<b>100.0%</b>	<b>8.3</b>	<b>29</b>	<b>90.6%</b>	<b>10</b>	<b>31.3%</b>	<b>28</b>	<b>87.5%</b>	<b>325</b>

\*\*\* Data withheld due to low population counts and/or case counts

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2014.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Number Linked to Care:** Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Number and percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Table 2 – Adult/Adolescent AIDS Diagnoses during 2014, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 12/31/2015**

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Caroline	26,987	3	18.8%	11.1	***	***
Cecil	85,505	2	12.5%	2.3	***	***
Dorchester	27,470	1	6.3%	3.6	***	***
Kent	17,418	1	6.3%	5.7	***	***
Queen Anne's	41,277	2	12.5%	4.8	***	***
Somerset	22,645	0	0.0%	0.0	--	--
Talbot	32,664	1	6.3%	3.1	***	***
Wicomico	85,525	6	37.5%	7.0	6.1	50.0%
Worcester	45,243	0	0.0%	0.0	--	--
<b>TOTAL</b>	<b>384,734</b>	<b>16</b>	<b>100.0%</b>	<b>4.2</b>	<b>3.8</b>	<b>62.5%</b>

\*\*\* Data withheld due to low population counts and/or case counts

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2014.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.



**Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2014, by Jurisdiction, Reported through 12/31/2015**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
Caroline	26,987	27	8.8%	100.0	32	7.6%	118.6	59	8.1%	218.6	457
Cecil	85,505	48	15.6%	56.1	58	13.8%	67.8	106	14.6%	124.0	806
Dorchester	27,470	38	12.3%	138.3	74	17.6%	269.4	112	15.4%	407.7	245
Kent	17,418	15	4.9%	86.1	18	4.3%	103.3	33	4.5%	189.5	527
Queen Anne's	41,277	16	5.2%	38.8	31	7.4%	75.1	47	6.5%	113.9	878
Somerset	22,645	20	6.5%	88.3	28	6.7%	123.6	48	6.6%	212.0	471
Talbot	32,664	21	6.8%	64.3	31	7.4%	94.9	52	7.1%	159.2	628
Wicomico	85,525	93	30.2%	108.7	102	24.3%	119.3	195	26.8%	228.0	438
Worcester	45,243	30	9.7%	66.3	46	11.0%	101.7	76	10.4%	168.0	595
<b>TOTAL</b>	<b>384,734</b>	<b>308</b>	<b>100.0%</b>	<b>80.1</b>	<b>420</b>	<b>100.0%</b>	<b>109.2</b>	<b>728</b>	<b>100.0%</b>	<b>189.2</b>	<b>528</b>

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2014.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 3A – Adult/Adolescent HIV Cases Alive on 12/31/2014, by Jurisdiction and Current Residence, Reported through 12/31/2015**

ADULT/ADOLESCENT LIVING HIV CASES WITH OR WITHOUT AIDS DIAGNOSIS															
JURISDICTION OF RESIDENCE	Population Age 13+	Residence at HIV Diagnosis				Last Known Residence				% Change	Current Residence 2009-2015				
		No.	% of Total	Rate	Ratio	No.	% of Total	Rate	Ratio		No.	% of Total	Rate	Ratio	% Change
Caroline	26,987	59	8.1%	218.6	457	69	7.3%	255.7	391	16.9%	50	6.6%	185.3	539	-15.3%
Cecil	85,505	106	14.6%	124.0	806	153	16.2%	178.9	558	44.3%	109	14.5%	127.5	784	2.8%
Dorchester	27,470	112	15.4%	407.7	245	132	14.0%	480.5	208	17.9%	113	15.0%	411.4	243	0.9%
Kent	17,418	33	4.5%	189.5	527	42	4.5%	241.1	414	27.3%	33	4.4%	189.5	527	0.0%
Queen Anne's	41,277	47	6.5%	113.9	878	54	5.7%	130.8	764	14.9%	46	6.1%	111.4	897	-2.1%
Somerset	22,645	48	6.6%	212.0	471	70	7.4%	309.1	323	45.8%	62	8.2%	273.8	365	29.2%
Talbot	32,664	52	7.1%	159.2	628	72	7.6%	220.4	453	38.5%	58	7.7%	177.6	563	11.5%
Wicomico	85,525	195	26.8%	228.0	438	254	27.0%	297.0	336	30.3%	205	27.3%	239.7	417	5.1%
Worcester	45,243	76	10.4%	168.0	595	96	10.2%	212.2	471	26.3%	76	10.1%	168.0	595	0.0%
<b>TOTAL</b>	<b>384,734</b>	<b>728</b>	<b>100.0%</b>	<b>189.2</b>	<b>528</b>	<b>942</b>	<b>100.0%</b>	<b>244.8</b>	<b>408</b>	<b>29.4%</b>	<b>752</b>	<b>100.0%</b>	<b>195.5</b>	<b>511</b>	<b>3.3%</b>

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Jurisdiction of Residence:** Jurisdiction of residence at time of initial HIV diagnosis or most recent lab test.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2014.

**Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Last Known Residence:** Jurisdiction of residence from the most recent laboratory test or case report, reported through 12/31/2015.

**Current Residence 2009-2015:** Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-12/31/2015.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Percent Change:** The extent to which a county gained or lost HIV/AIDS cases relative to the number of cases diagnosed in the county.

For additional information regarding current residence please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

**Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2014, Reported through 12/31/2015**

Jurisdiction of Residence at Diagnosis	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Caroline	59	36	61.0%	581	8.3%	16.7%	11.1%	63.9%
Cecil	106	53	50.0%	498	5.7%	22.6%	22.6%	49.1%
Dorchester	112	77	68.8%	547	7.8%	15.6%	19.5%	57.1%
Kent	33	19	57.6%	594	5.3%	15.8%	10.5%	68.4%
Queen Anne's	47	30	63.8%	640	10.0%	10.0%	16.7%	63.3%
Somerset	48	39	81.3%	559	5.1%	12.8%	20.5%	61.5%
Talbot	52	37	71.2%	408	18.9%	18.9%	18.9%	43.2%
Wicomico	195	119	61.0%	535	11.8%	19.3%	15.1%	53.8%
Worcester	76	48	63.2%	557	14.6%	16.7%	8.3%	60.4%
<b>Total</b>	<b>728</b>	<b>458</b>	<b>62.9%</b>	<b>546</b>	<b>10.0%</b>	<b>17.2%</b>	<b>16.4%</b>	<b>56.3%</b>

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2014, by Jurisdiction, Reported through 12/31/2015**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Caroline	59	33	55.9%	90.9%	1,234
Cecil	106	51	48.1%	76.5%	12,702
Dorchester	112	69	61.6%	91.3%	7,730
Kent	33	18	54.5%	77.8%	23,519
Queen Anne's	47	27	57.4%	81.5%	3,162
Somerset	48	36	75.0%	75.0%	17,378
Talbot	52	35	67.3%	80.0%	22,486
Wicomico	195	114	58.5%	78.9%	7,600
Worcester	76	47	61.8%	83.0%	1,030
<b>TOTAL</b>	<b>728</b>	<b>430</b>	<b>59.1%</b>	<b>81.9%</b>	<b>8,445</b>

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

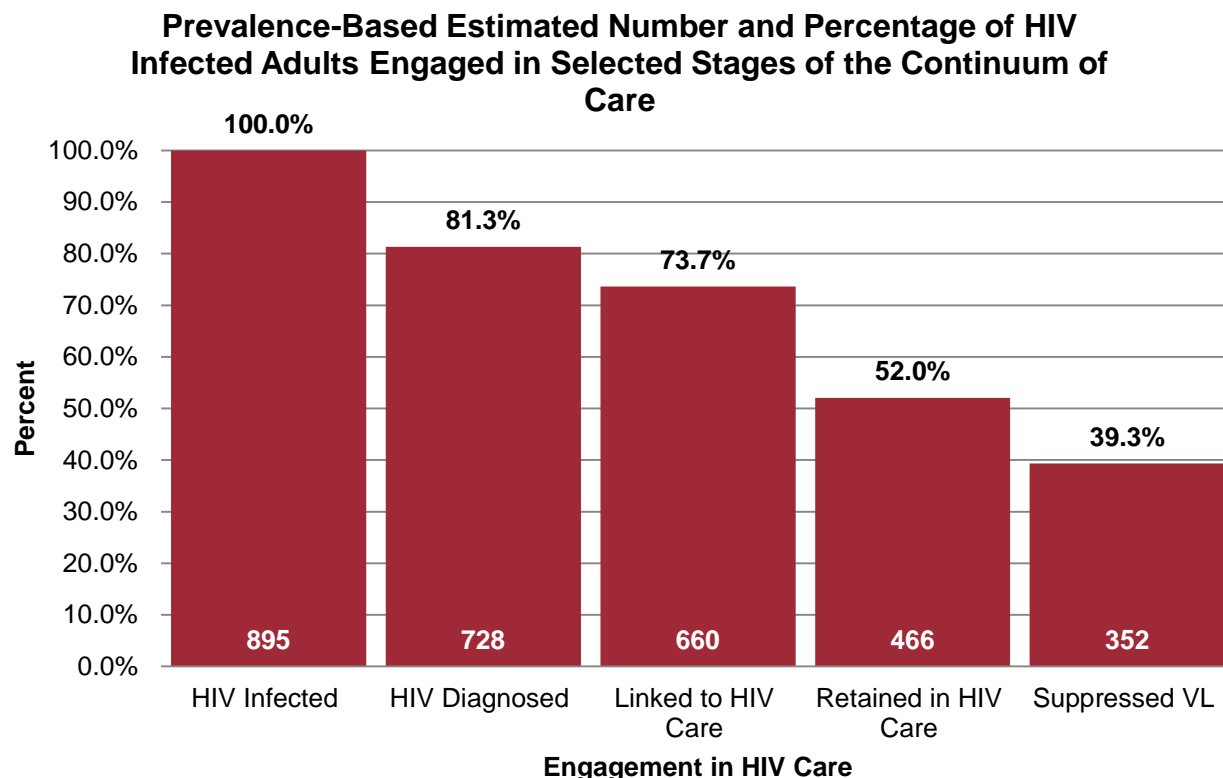
**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 200 copies per milliliter or greater.

## Figure 7 – Prevalence-Based Estimated Adult/Adolescent 2014 HIV Continuum of Care Cascades, Reported through 12/31/2015

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.<sup>1</sup> utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care. The prevalence-based Eastern Region Engagement in HIV Care Cascade (below) uses a CDC estimate of the percentage of undiagnosed persons in Maryland (18.7%)<sup>2</sup> to generate an estimated number of HIV infected persons in the Eastern Region. It then uses local data to describe the number and percentage of persons living with HIV in the Eastern Region who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Infected	895	100.0%
HIV Diagnosed	728	81.3%
Linked to HIV Care	660	73.7%
Retained in HIV Care	466	52.0%
Suppressed VL	352	39.3%

**HIV Infected:** HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (18.7%) in Maryland.

**HIV Diagnosed:** Adult/adolescent total living HIV cases as of December 31<sup>st</sup> of the specified year.

**Linked to HIV Care:** HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Retained in HIV Care:** HIV Diagnosed with a CD4 or viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

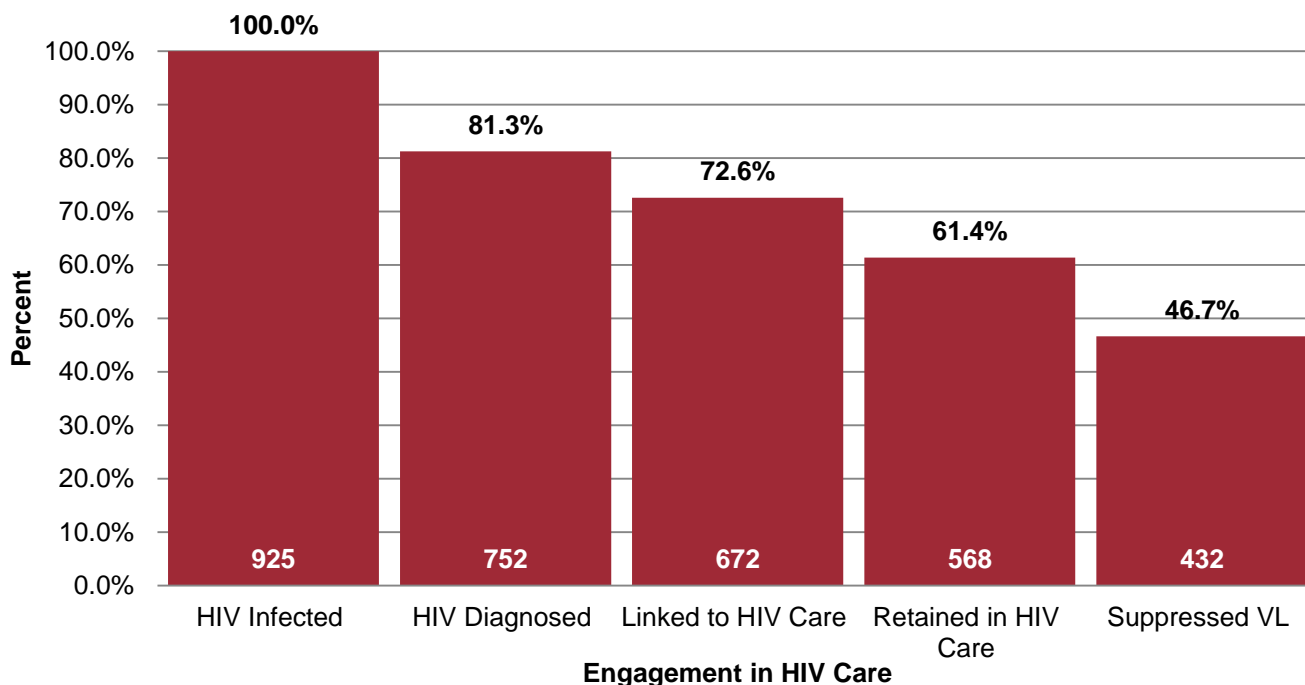
<sup>1</sup> Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection.” *Clin Infect Dis.* 2011; 52 (6): 7930-800.

<sup>2</sup> Centers for Disease Control and Prevention, *Morbidity and Mortality Weekly Report*, June 2015.

## Figure 7A – Prevalence-Based Estimated Adult/Adolescent 2014 HIV Continuum of Care Cascades, by Current Residence, Reported through 12/31/2015

The prevalence-based Eastern Region Engagement in HIV Care Cascade (below) uses a CDC estimate of the percentage of undiagnosed persons in Maryland (18.7%)<sup>1</sup> to generate an estimated number of HIV infected persons in the Eastern Region. It then uses local data for current Eastern Region residents to describe the number and percentage of persons living with HIV in the Eastern Region who belong to each of the stages of engagement in HIV care.

### Prevalence-Based Estimated Number and Percentage of HIV Infected Adults Engaged in Selected Stages of the Continuum of Care



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Infected	925	100.0%
HIV Diagnosed	752	81.3%
Linked to HIV Care	672	72.6%
Retained in HIV Care	568	61.4%
Suppressed VL	432	46.7%

**HIV Infected:** HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (18.7%) in Maryland.

**HIV Diagnosed:** Adult/adolescent total living HIV as of December 31<sup>st</sup> of the specified year with a recent address in Maryland between 2009 and 2015.

**Linked to HIV Care:** HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Retained in HIV Care:** HIV Diagnosed with a CD4 or viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

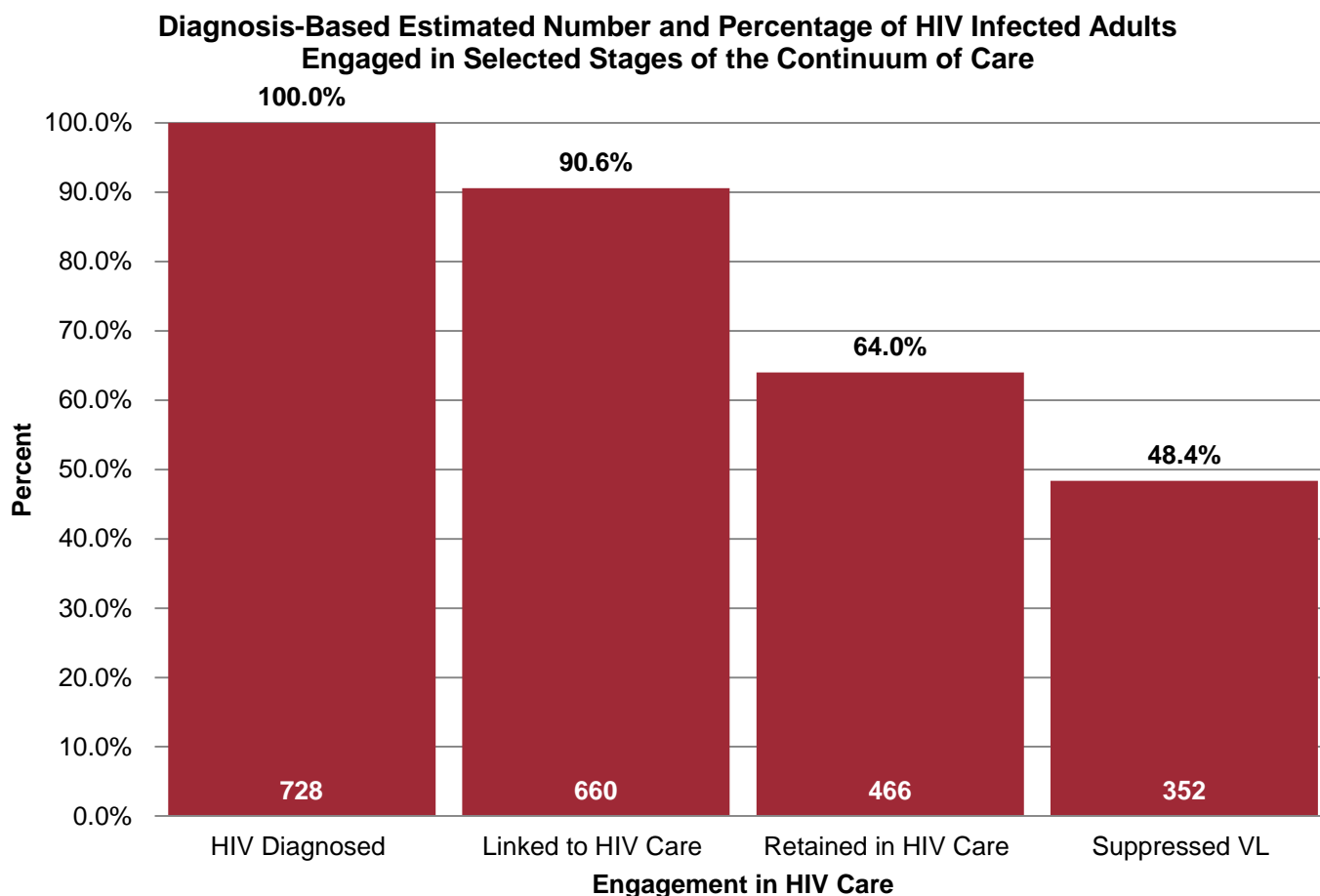
**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

For additional information regarding current residence please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

<sup>1</sup> Centers for Disease Control and Prevention, Morbidity and Mortality Weekly Report, June 2015.

## Figure 8 – Diagnosis-Based Estimated Adult/Adolescent 2014 HIV Continuum of Care Cascades, Reported through 12/31/2015

The diagnosis-based Eastern Region Engagement in HIV Care Cascade (below) uses local data to describe the number and percentage of persons diagnosed with HIV in the Eastern Region who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Diagnosed	728	100.0%
Linked to HIV Care	660	90.6%
Retained in HIV Care	466	64.0%
Suppressed VL	352	48.4%

**HIV Diagnosed:** Adult/adolescent total living HIV cases as of December 31<sup>st</sup> of the specified year.

**Linked to HIV Care:** HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

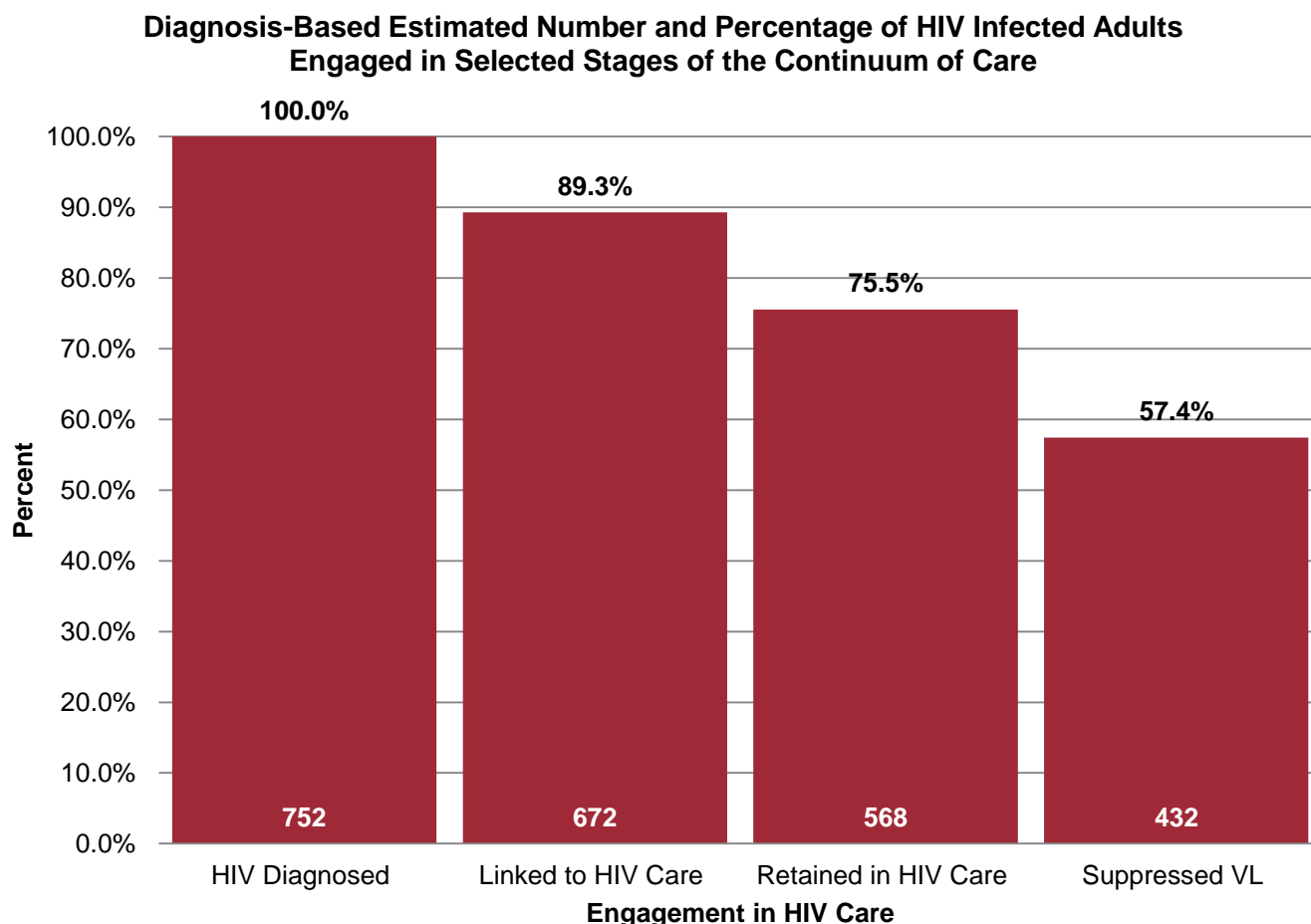
**Retained in HIV Care:** HIV Diagnosed with a CD4 or viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year

**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.



## Figure 8A – Diagnosis-Based Estimated Adult/Adolescent 2014 HIV Continuum of Care Cascades, by Current Residence, Reported through 12/31/2015

The diagnosis-based Eastern Region Engagement in HIV Care Cascade (below) uses local data for current Eastern Region residents to describe the number and percentage of persons diagnosed with HIV in the Eastern Region who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Diagnosed	752	100.0%
Linked to HIV Care	672	89.3%
Retained in HIV Care	568	75.5%
Suppressed VL	432	57.4%

**HIV Diagnosed:** Adult/adolescent total living HIV as of December 31<sup>st</sup> of the specified year with a recent address in Maryland between 2009 and 2015.

**Linked to HIV Care:** HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Retained in HIV Care:** HIV Diagnosed with a CD4 or viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year

**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

For additional information regarding current residence please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

## Section IV – Cases by Age

**Table 6 – HIV Diagnoses during 2014, First CD4 Test Result, Percent Linked to Care, Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 12/31/2015**

AGE AT HIV DIAGNOSIS	POPULATION	REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late Diagnosis	% Late Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
<5 (Pediatric)	24,805	0	0.0%	0.0	--	--	--	--	--	--	--
5-12 (Pediatric)	43,300	0	0.0%	0.0	--	--	--	--	--	--	--
13-19	41,419	1	3.1%	2.4	***	***	***	***	***	***	***
20-29	59,684	8	25.0%	13.4	8	100.0%	***	***	7	87.5%	408
30-39	48,459	4	12.5%	8.3	***	***	***	***	***	***	***
40-49	57,252	12	37.5%	21.0	9	75.0%	***	***	10	83.3%	358
50-59	68,058	7	21.9%	10.3	7	100.0%	***	***	6	85.7%	191
60+	109,862	0	0.0%	0.0	--	--	--	--	--	--	--
TOTAL	452,839	32	100.0%	7.1	29	90.6%	10	31.3%	28	87.5%	325

\*\*\* Data withheld due to low population counts and/or case counts

**Table 7 – AIDS Diagnoses during 2014, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 12/31/2015**

AGE AT AIDS DIAGNOSIS	POPULATION	REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<5 (Pediatric)	24,805	0	0.0%	0.0	--	--
5-12 (Pediatric)	43,300	0	0.0%	0.0	--	--
13-19	41,419	0	0.0%	0.0	--	--
20-29	59,684	1	6.3%	1.7	***	***
30-39	48,459	2	12.5%	4.1	***	***
40-49	57,252	6	37.5%	10.5	3.0	66.7%
50-59	68,058	6	37.5%	8.8	4.4	66.7%
60+	109,862	1	6.3%	0.9	***	***
<b>TOTAL</b>	<b>452,839</b>	<b>16</b>	<b>100.0%</b>	<b>3.5</b>	<b>3.8</b>	<b>62.5%</b>

\*\*\* Data withheld due to low population counts and/or case counts

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Population:** Population estimate for 7/1/2014.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Number Linked to Care:** Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Table 8 – HIV Cases Alive on 12/31/2014, by Age on 12/31/2014, Reported through 12/31/2015**

AGE ON 12/31/2014	POPULATION	LIVING HIV CASES WITHOUT AIDS			LIVING HIV CASES WITH AIDS			TOTAL LIVING HIV CASES			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
<5	24,805	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
5-12	43,300	3	0.9%	6.9	0	0.0%	0.0	3	0.4%	6.9	14,433
13-19	41,419	2	0.6%	4.8	1	0.2%	2.4	3	0.4%	7.2	13,806
20-29	59,684	46	14.5%	77.1	22	5.2%	36.9	68	9.2%	113.9	877
30-39	48,459	66	20.8%	136.2	41	9.7%	84.6	107	14.4%	220.8	452
40-49	57,252	82	25.9%	143.2	112	26.4%	195.6	194	26.2%	338.9	295
50-59	68,058	70	22.1%	102.9	166	39.2%	243.9	236	31.8%	346.8	288
60+	109,862	48	15.1%	43.7	82	19.3%	74.6	130	17.5%	118.3	845
<b>TOTAL</b>	<b>452,839</b>	<b>317</b>	<b>100.0%</b>	<b>70.0</b>	<b>424</b>	<b>100.0%</b>	<b>93.6</b>	<b>741</b>	<b>100.0%</b>	<b>163.6</b>	<b>611</b>

**Age on [date]:** Age group of living cases on the specified date.

**Population:** Population estimate for 7/1/2014.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 9 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2014, by Age on 12/31/2014, Reported through 12/31/2015**

AGE ON 12/31/2014	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	3	***	***	***	***	***	***	***
20-29	61	***	***	***	***	***	***	***
30-39	104	64	61.5%	544	12.5%	10.9%	15.6%	60.9%
40-49	194	117	60.3%	545	9.4%	17.9%	16.2%	56.4%
50-59	236	162	68.6%	548	9.9%	19.1%	14.8%	56.2%
60+	130	75	57.7%	519	8.0%	24.0%	17.3%	50.7%
<b>TOTAL</b>	<b>728</b>	<b>458</b>	<b>62.9%</b>	<b>546</b>	<b>10.0%</b>	<b>17.2%</b>	<b>16.4%</b>	<b>56.3%</b>

\*\*\* Data withheld due to low population counts and/or case counts

**Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2014, by Age on 12/31/2014, Reported through 12/31/2015**

AGE ON 12/31/2014	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
13-19	3	***	***	***	***
20-29	61	***	***	***	***
30-39	104	62	59.6%	75.8%	20,900
40-49	194	108	55.7%	72.2%	2,485
50-59	236	149	63.1%	85.9%	6,400
60+	130	74	56.9%	93.2%	44,960
<b>TOTAL</b>	<b>728</b>	<b>430</b>	<b>59.1%</b>	<b>81.9%</b>	<b>8,445</b>

\*\*\* Data withheld due to low population counts and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Age on [date]:** Age group of living cases on the specified date.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 200 copies per milliliter or greater.

## Section V – Adult/Adolescent Cases by Demographics

**Table 11 – Adult/Adolescent HIV Diagnoses during 2014, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2015**

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of % Late Diagnosis	% Late Diagnosis		No. with Test	% with Test	Median Count
Male	186,912	23	71.9%	12.3	21	91.3%	***	***		19	82.6%	290
Female	197,821	9	28.1%	4.5	8	88.9%	***	***		9	100.0%	338
TOTAL	384,734	32	100.0%	8.3	29	90.6%	10	31.3%		28	87.5%	325

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of % Late Diagnosis	% Late Diagnosis		No. with Test	% with Test	Median Count
Hispanic	14,740	5	15.6%	33.9	***	***	***	***		***	***	***
Non-Hispanic	369,994	27	84.4%	7.3	25	92.6%	8	29.6%		24	88.9%	373
American Indian/Alaska Native, only	1,002	0	0.0%	0.0	--	--	--	--		--	--	--
Asian, only	5,872	0	0.0%	0.0	--	--	--	--		--	--	--
Black, only	60,895	15	46.9%	24.6	15	100.0%	***	***		14	93.3%	325
Native Hawaiian/Other Pacific Islander, only	131	0	0.0%	0.0	--	--	--	--		--	--	--
White only	297,267	10	31.3%	3.4	***	***	***	***		***	***	***
Multiracial/Other	4,828	2	6.3%	41.4	***	***	***	***		***	***	***
TOTAL	384,734	32	100.0%	8.3	29	90.6%	10	31.3%		28	87.5%	325

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of % Late Diagnosis	% Late Diagnosis		No. with Test	% with Test	Median Count
United States	361,756	24	75.0%	6.6	22	91.7%	9	37.5%		21	87.5%	290
Foreign-born	20,909	7	21.9%	33.5	7	100.0%	***	***		***	***	***
Africa	--	1	3.1%	--	***	***	***	***		***	***	***
Asia	--	0	0.0%	0.0	--	--	--	--		--	--	--
Caribbean	--	4	12.5%	--	***	***	***	***		***	***	***
Central America	--	1	3.1%	--	***	***	***	***		***	***	***
Other	--	1	3.1%	--	***	***	***	***		***	***	***
Unknown	--	1	3.1%	0.0	--	--	--	--		--	--	--
TOTAL	382,665	32	100.0%	8.4	29	90.6%	10	31.3%		28	87.5%	325

\* Population data by sex at birth, age, and race/ethnicity are from the 2014 U.S. Census population estimates

\*\* Population data by country of birth are from the 2013 American Community Survey

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2014.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Number Linked to Care:** Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.



**Table 12 – Adult/Adolescent AIDS Diagnoses during 2014, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2015**

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Male	186,912	12	75.0%	6.4	4.6	58.3%
Female	197,821	4	25.0%	2.0	***	***
<b>TOTAL</b>	<b>384,734</b>	<b>16</b>	<b>100.0%</b>	<b>4.2</b>	<b>3.8</b>	<b>62.5%</b>

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Hispanic	14,740	3	18.8%	20.4	***	***
Non-Hispanic	369,994	13	81.3%	3.5	4.1	61.5%
American Indian/Alaska Native, only	1,002	0	0.0%	0.0	--	0.0%
Asian, only	5,872	0	0.0%	0.0	--	0.0%
Black, only	60,895	9	56.3%	14.8	5.9	44.4%
Native Hawaiian/Other Pacific Islander, only	131	0	0.0%	0.0	--	0.0%
White only	297,267	4	25.0%	1.3	***	***
Multiracial/Other	4,828	0	0.0%	0.0	--	0.0%
<b>TOTAL</b>	<b>384,734</b>	<b>16</b>	<b>100.0%</b>	<b>4.2</b>	<b>3.8</b>	<b>62.5%</b>

COUNTY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
United States	361,756	14	87.5%	3.9	3.8	64.3%
Foreign-born	20,909	2	12.5%	9.6	***	***
Africa	--	0	0.0%	0.0	--	--
Asia	--	0	0.0%	0.0	--	--
Caribbean	--	0	0.0%	0.0	--	--
Central America	--	2	12.5%	0.0	***	***
Other	--	0	0.0%	0.0	--	--
Unknown	--	0	0.0%	0.0	--	--
<b>TOTAL</b>	<b>382,665</b>	<b>16</b>	<b>100.0%</b>	<b>4.2</b>	<b>3.8</b>	<b>62.5%</b>

\* Population data by sex at birth, age, and race/ethnicity are from the 2014 U.S. Census population estimates

\*\* Population data by country of birth are from the 2013 American Community Survey

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2014.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 13 – Adult/Adolescent Living HIV Cases with and without AIDS by Sex at Birth, Race/Ethnicity, and Country of Birth, Alive on 12/31/2014 and Reported through 12/31/2015**

SEX AT BIRTH	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
Male	186,912	210	68.2%	112.4	283	67.4%	151.4	493	67.7%	263.8	379
Female	197,821	98	31.8%	49.5	137	32.6%	69.3	235	32.3%	118.8	841
TOTAL	384,734	308	100.0%	80.1	420	100.0%	109.2	728	100.0%	189.2	528

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
Hispanic	14,740	20	6.5%	135.7	19	4.5%	128.9	39	5.4%	264.6	377
Non-Hispanic	369,994	288	93.5%	77.8	401	95.5%	108.4	689	94.6%	186.2	537
American Indian/Alaska Native, only	1,002	0	0.0%	0.0	1	0.2%	99.8	1	0.1%	99.8	1,002
Asian, only	5,872	1	0.3%	17.0	1	0.2%	17.0	2	0.3%	34.1	2,936
Black, only	60,895	180	58.4%	295.6	229	54.5%	376.1	409	56.2%	671.6	148
Native Hawaiian/Other Pacific Islander, only	131	1	0.3%	763.4	0	0.0%	0.0	1	0.1%	763.4	131
White only	297,267	93	30.2%	31.3	145	34.5%	48.8	238	32.7%	80.1	1,249
Multiracial/Other	4,828	13	4.2%	269.3	25	6.0%	517.8	38	5.2%	787.1	127
TOTAL	384,734	308	100.0%	80.1	420	100.0%	109.2	728	100.0%	189.2	528

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
United States	361,756	284	92.2%	78.5	389	92.6%	107.5	673	92.4%	186.0	537
Foreign-born	20,909	22	7.1%	105.2	28	6.7%	133.9	50	6.9%	239.1	418
Africa	--	2	0.6%	--	4	1.0%	--	6	0.8%	--	--
Asia	--	1	0.3%	--	2	0.5%	--	3	0.4%	--	--
Caribbean	--	11	3.6%	--	12	2.9%	--	23	3.2%	--	--
Central America	--	4	1.3%	--	8	1.9%	--	12	1.6%	--	--
Other	--	4	1.3%	--	2	0.5%	--	6	0.8%	--	--
Unknown	--	2	0.6%	--	3	0.7%	--	5	0.7%	--	--
TOTAL	382,665	308	100.0%	80.5	420	100.0%	109.8	728	100.0%	190.2	525

\* Population data by sex at birth, age, and race/ethnicity are from the 2014 U.S. Census population estimates

\*\* Population data by country of birth are from the 2013 American Community Survey

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2014.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 14 –Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2014 and Reported through 12/31/2015**

SEX AT BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male	493	301	61.1%	541	8.0%	18.9%	17.6%	55.5%
Female	235	157	66.8%	560	14.0%	14.0%	14.0%	58.0%
TOTAL	728	458	62.9%	546	10.0%	17.2%	16.4%	56.3%

RACE/ETHNICITY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Hispanic	39	20	51.3%	401	20.0%	20.0%	15.0%	45.0%
Non-Hispanic	689	438	63.6%	547	9.6%	17.1%	16.4%	56.8%
American Indian/Alaska Native, only	1	***	***	***	***	***	***	***
Asian, only	2	***	***	***	***	***	***	***
Black, only	409	273	66.7%	540	11.0%	17.9%	15.4%	55.7%
Native Hawaiian/Other Pacific Islander, only	1	***	***	***	***	***	***	***
White only	238	132	55.5%	581	7.6%	16.7%	18.2%	57.6%
Multiracial/Other	38	30	78.9%	541	6.7%	13.3%	20.0%	60.0%
TOTAL	728	458	62.9%	546	10.0%	17.2%	16.4%	56.3%

COUNTRY OF BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
United States	673	427	63.4%	552	10.1%	16.6%	15.9%	57.4%
Foreign-born	5	***	***	***	***	***	***	***
Africa	50	28	56.0%	432	10.7%	25.0%	21.4%	42.9%
Asia	728	458	62.9%	546	10.0%	17.2%	16.4%	56.3%
Caribbean	673	427	63.4%	552	10.1%	16.6%	15.9%	57.4%
Central America	5	***	***	***	***	***	***	***
Other	50	28	56.0%	432	10.7%	25.0%	21.4%	42.9%
Unknown	728	458	62.9%	546	10.0%	17.2%	16.4%	56.3%
TOTAL	673	427	63.4%	552	10.1%	16.6%	15.9%	57.4%

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Table 15 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2014 and Reported through 12/31/2015**

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
SEX AT BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male	493	282	57.2%	83.0%	7,135
Female	235	148	63.0%	79.7%	18,524
TOTAL	728	430	59.1%	81.9%	8,445

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
RACE/ETHNICITY	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Hispanic	39	19	48.7%	84.2%	1,000
Non-Hispanic	689	411	59.7%	81.8%	9,507
American Indian/Alaska Native, only	1	***	***	***	***
Asian, only	2	***	***	***	***
Black, only	409	248	60.6%	79.0%	7,730
Native Hawaiian/Other Pacific Islander, only	1	***	***	***	***
White only	238	131	55.0%	87.8%	21,890
Multiracial/Other	38	29	76.3%	75.9%	8,949
TOTAL	728	430	59.1%	81.9%	8,445

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
COUNTRY OF BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
United States	673	401	59.6%	82.0%	7,905
Foreign-born	50	26	52.0%	76.9%	20,293
Africa	6	***	***	***	***
Asia	3	***	***	***	***
Caribbean	23	13	56.5%	61.5%	22,486
Central America	12	7	58.3%	85.7%	2,700
Other	6	***	***	***	***
Unknown	5	***	***	***	***
TOTAL	728	430	59.1%	81.9%	8,445

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

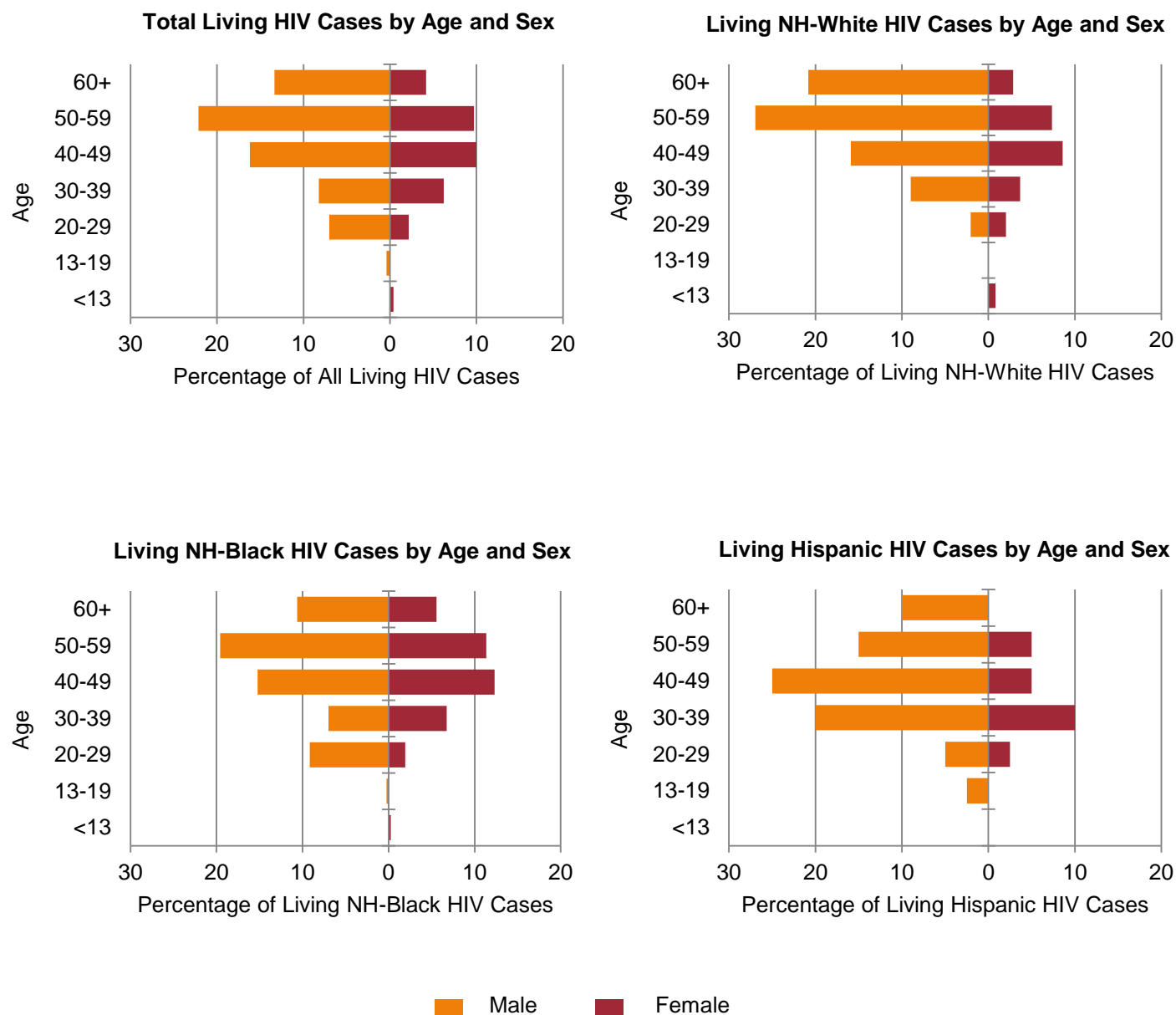
**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 200 copies per milliliter or greater.

## Section VI – HIV Cases by Expanded Demographics

**Figure 9 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2014 and Reported through 12/31/2015**



**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 16 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2014 and Reported through 12/31/2015**

MALES						
AGE ON 12/31/2014		RACE/ETHNICITY				TOTAL MALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non- Hispanic Other Race	
<13 (Pediatric)	Population	3,101	6,537	22,581	2,390	34,609
	Cases	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0
	Ratio (1 in X)	--	--	--	--	--
13-19	Population	1,375	3,974	14,520	1,061	20,930
	Cases	1	1	0	1	3
	Rate	72.7	25.2	0.0	94.3	14.3
	Ratio (1 in X)	1,375	3,974	--	1,061	6,976
20-29	Population	1,958	6,458	20,596	1,095	30,107
	Cases	2	38	5	7	52
	Rate	102.1	588.4	24.3	639.3	172.7
	Ratio (1 in X)	979	169	4,119	156	578
30-39	Population	1,909	4,201	17,018	817	23,945
	Cases	***	29	22	***	61
	Rate	***	690.3	129.3	***	254.8
	Ratio (1 in X)	***	144	773	***	392
40-49	Population	1,401	4,477	21,551	865	28,294
	Cases	***	63	39	***	120
	Rate	***	1,407.2	181.0	***	424.1
	Ratio (1 in X)	***	71	552	***	235
50-59	Population	745	4,839	26,723	820	33,127
	Cases	***	81	66	***	164
	Rate	***	1,673.9	247.0	***	495.1
	Ratio (1 in X)	***	59	404	***	201
60+	Population	602	5,621	43,393	893	50,509
	Cases	***	44	51	***	99
	Rate	***	782.8	117.5	***	196.0
	Ratio (1 in X)	***	127	850	***	510
TOTAL MALES BY RACE/ETHNICITY	Population	11,091	36,107	166,382	7,941	221,521
	Cases	31	256	183	29	499
	Rate	279.5	709.0	110.0	365.2	225.3
	Ratio (1 in X)	357	141	909	273	443

\*\*\* Data withheld due to low population and/or case counts

**Age on [date]:** Age group of living cases on the specified date.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Population:** Population estimate for 7/1/2014.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 17 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2014 and Reported through 12/31/2015**

FEMALES						
AGE ON 12/31/2014		RACE/ETHNICITY				TOTAL FEMALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	2,953	6,433	21,783	2,328	33,497
	Cases	0	1	2	0	3
	Rate	0.0	15.5	9.2	0.0	9.0
	Ratio (1 in X)	--	6,433	10,891	--	11,165
13-19	Population	1,222	3,823	14,216	1,227	20,488
	Cases	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0
	Ratio (1 in X)	--	--	--	--	--
20-29	Population	1,630	6,089	20,550	1,308	29,577
	Cases	1	8	5	2	16
	Rate	61.3	131.4	24.3	152.9	54.1
	Ratio (1 in X)	1,630	761	4,110	654	1,848
30-39	Population	1,571	4,257	17,727	959	24,514
	Cases	***	28	9	***	46
	Rate	***	657.7	50.8	***	187.6
	Ratio (1 in X)	***	152	1,969	***	532
40-49	Population	1,063	4,416	22,578	901	28,958
	Cases	2	51	21	0	74
	Rate	188.1	1,154.9	93.0	0.0	255.5
	Ratio (1 in X)	531	86	1,075	--	391
50-59	Population	663	5,294	28,091	883	34,931
	Cases	***	47	18	***	72
	Rate	***	887.8	64.1	***	206.1
	Ratio (1 in X)	***	112	1,560	***	485
60+	Population	600	7,445	50,304	1,004	59,353
	Cases	0	23	7	1	31
	Rate	0.0	308.9	13.9	99.6	52.2
	Ratio (1 in X)	--	323	7,186	1,004	1,914
TOTAL FEMALES BY RACE/ETHNICITY	Population	9,702	37,757	175,249	8,610	231,318
	Cases	9	158	62	13	242
	Rate	92.8	418.5	35.4	151.0	104.6
	Ratio (1 in X)	1,078	238	2,826	662	955

\*\*\* Data withheld due to low population and/or case counts

**Age on [date]:** Age group of living cases on the specified date.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Population:** Population estimate for 7/1/2014.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.



## Section VII – HIV Exposure Category

**Table 18 – Adult/Adolescent HIV Diagnoses during 2014, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2015**

EXPOSURE CATEGORY	ADULT/ADOLESCENT HIV DIAGNOSES								
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	First CD4 Test Result		
							No. with Test	% with Test	Median Count
<b>With Exposure</b>	25	100.0%	23	92.0%	7	28.0%	22	88.0%	360
Men who have Sex with Men (MSM)	***	***	***	***	***	***	***	***	***
Injection Drug Users (IDU)	0	0.0%	--	--	--	--	--	--	--
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--	--	--	--	--	--
Heterosexual Exposure (HET)	***	***	***	***	***	***	***	***	***
Other Exposure	0	0.0%	--	--	--	--	--	--	--
<b>No Reported Exposure</b>	7		6	85.7%	***	***	6	85.7%	269
<b>TOTAL</b>	32		29	90.6%	10	31.3%	28	87.5%	325

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	First CD4 Test Result		
							No. with Test	% with Test	Median Count
<b>With Exposure</b>	18	100.0%	17	94.4%	5	27.8%	15	83.3%	290
Men who have Sex with Men (MSM)	***	***	***	***	***	***	***	***	***
Injection Drug Users (IDU)	0	0.0%	0	0.0%	0	0.0%	0	0.0%	--
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	0	0.0%	0	0.0%	0	0.0%	--
Heterosexual Exposure (HET)	***	***	***	***	***	***	***	***	***
Other Exposure	0	0.0%	0	0.0%	0	0.0%	0	0.0%	--
<b>No Reported Exposure</b>	5		4	80.0%	2	40.0%	4	80.0%	335
<b>TOTAL</b>	23		21	91.3%	7	30.4%	19	82.6%	290

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	First CD4 Test Result		
							No. with Test	% with Test	Median Count
<b>With Exposure</b>	7	100.0%	6	85.7%	***	***	7	100.0%	408
Injection Drug Users (IDU)	0	0.0%	--	--	--	--	--	--	--
Heterosexual Exposure (HET)	7	100.0%	6	85.7%	***	***	7	100.0%	408
Other Exposure	0	0.0%	--	--	--	--	--	--	--
<b>No Reported Exposure</b>	9		8	88.9%	1	50.0%	9	100.0%	338
<b>TOTAL</b>	7		6	85.7%	3	33.3%	7	100.0%	408

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Number Linked to Care:** Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Table 19 – Adult/Adolescent AIDS Diagnoses during 2014, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2015**

EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<b>With Exposure</b>	12	100.0%	4.6	58.3%
Men who have Sex with Men (MSM)	***	***	***	***
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	-	-
Heterosexual Exposure (HET)	***	***	***	***
Other Exposures	0	0.0%	-	-
<b>No Reported Exposure*</b>	4		1.6	75.0%
<b>TOTAL</b>	16		3.8	62.5%

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<b>With Exposure</b>	10	100.0%	5.5	50.0%
Men who have Sex with Men (MSM)	***	***	***	***
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--
Heterosexual Exposure (HET)	0	0.0%	--	--
Other Exposures	0	0.0%	--	--
<b>No Reported Exposure</b>	***		***	***
<b>TOTAL</b>	12		4.6	58.3%

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<b>With Exposure</b>	2	100.0%	***	***
Injection Drug Users (IDU)	***	***	***	***
Heterosexual Exposure (HET)	***	***	***	***
Other Exposures	0	0.0%	--	--
<b>No Reported Exposure*</b>	2		3.1	50.0%
<b>TOTAL</b>	4		***	***

\* Includes 1 new HIV diagnosis with Presumed Female Heterosexual exposure

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 20 – Adult/Adolescent Living HIV Cases with and without AIDS by Exposure Category and Sex at Birth, Alive on 12/31/2014 and Reported through 12/31/2015**

EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	236	100.0%	350	100.0%	586	100.0%
Men who have Sex with Men (MSM)	122	51.7%	152	43.4%	274	46.8%
Injection Drug Users (IDU)	27	11.4%	68	19.4%	95	16.2%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	7	3.0%	8	2.3%	15	2.6%
Heterosexual Exposure (HET)	80	33.9%	122	34.9%	202	34.5%
Other Exposures	0	0.0%	0	0.0%	0	0.0%
<b>No Reported Exposure*</b>	72		70		142	
<b>TOTAL</b>	308		420		728	

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	172	100.0%	240	100.0%	412	100.0%
Men who have Sex with Men (MSM)	122	70.9%	152	63.3%	274	66.5%
Injection Drug Users (IDU)	15	8.7%	42	17.5%	57	13.8%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	7	4.1%	8	3.3%	15	3.6%
Heterosexual Exposure (HET)	28	16.3%	38	15.8%	66	16.0%
Other Exposures	0	0.0%	0	0.0%	0	0.0%
<b>No Reported Exposure</b>	38		43		81	
<b>TOTAL</b>	210		283		493	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	64	100.0%	110	100.0%	174	100.0%
Injection Drug Users (IDU)	12	18.8%	26	23.6%	38	21.8%
Heterosexual Exposure (HET)	52	81.3%	84	76.4%	136	78.2%
Other Exposures	0	0.0%	0	0.0%	0	0.0%
<b>No Reported Exposure*</b>	34		27		61	
<b>TOTAL</b>	98		137		235	

\* Includes 15 HIV cases without AIDS and 14 HIV cases with AIDS with Presumed Female Heterosexual exposure

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 21 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2014 and Reported through 12/31/2015**

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	27	100.0%	317	100.0%	201	100.0%
Men who have Sex with Men (MSM)	13	48.1%	115	36.3%	124	61.7%
Injection Drug Users (IDU)	***	***	57	18.0%	26	12.9%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	7	2.2%	5	2.5%
Heterosexual Exposure (HET)	8	29.6%	138	43.5%	46	22.9%
Other Exposures	0	0.0%	0	0.0%	0	0.0%
<b>No Reported Exposure*</b>	12		92		37	
<b>TOTAL</b>	39		409		238	

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	22	100.0%	208	100.0%	153	100.0%
Men who have Sex with Men (MSM)	13	59.1%	115	55.3%	124	81.0%
Injection Drug Users (IDU)	***	***	38	18.3%	10	6.5%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	7	3.4%	5	3.3%
Heterosexual Exposure (HET)	***	***	48	23.1%	14	9.2%
Other Exposures	0	0.0%	0	0.0%	0	0.0%
<b>No Reported Exposure</b>	9		45		27	
<b>TOTAL</b>	31		253		180	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
<b>With Exposure</b>	5	100.0%	109	100.0%	48	100.0%
Injection Drug Users (IDU)	***	***	19	17.4%	16	33.3%
Heterosexual Exposure (HET)	***	***	90	82.6%	32	66.7%
Other Exposures	0	0.0%	0	0.0%	0	0.0%
<b>No Reported Exposure*</b>	3		47		10	
<b>TOTAL</b>	8		156		58	

\* Includes 2 Hispanic cases, 24 non-Hispanic black cases, and 2 non-Hispanic white cases with Presumed Female Heterosexual exposure

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 22 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results by Exposure Category, Alive on 12/31/2014 and Reported through 12/31/2015**

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
<b>With Exposure</b>	586	386	65.9%	549	9.6%	15.8%	17.6%	57.0%
Men who have Sex with Men (MSM)	274	166	60.6%	581	6.6%	13.3%	20.5%	59.6%
Injection Drug Users (IDU)	95	69	72.6%	535	15.9%	11.6%	17.4%	55.1%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	15	8	53.3%	317	0.0%	62.5%	12.5%	25.0%
Heterosexual Exposure (HET)	202	143	70.8%	547	10.5%	18.2%	14.7%	56.6%
Other Exposures	0	--	--	--	--	--	--	--
<b>No Reported Exposure*</b>	142	72	50.7%	528	12.5%	25.0%	9.7%	52.8%
<b>TOTAL</b>	728	458	62.9%	546	10.0%	17.2%	16.4%	56.3%

\* Includes 29 cases with Presumed Female Heterosexual exposure

**Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2014 and Reported through 12/31/2015**

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Count
<b>With Exposure</b>	586	366	62.5%	81.7%	9,507
Men who have Sex with Men (MSM)	274	158	57.7%	84.2%	8,949
Injection Drug Users (IDU)	95	61	64.2%	80.3%	6,558
Men who have Sex with Men and Inject Drugs (MSM/IDU)	15	8	53.3%	75.0%	1,376
Heterosexual Exposure (HET)	202	139	68.8%	79.9%	17,739
Other Exposures	0	0	0.0%	0.0%	--
<b>No Reported Exposure*</b>	142	64	45.1%	82.8%	7,520
<b>TOTAL</b>	728	430	59.1%	81.9%	8,445

\* Includes 29 cases with Presumed Female Heterosexual exposure

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

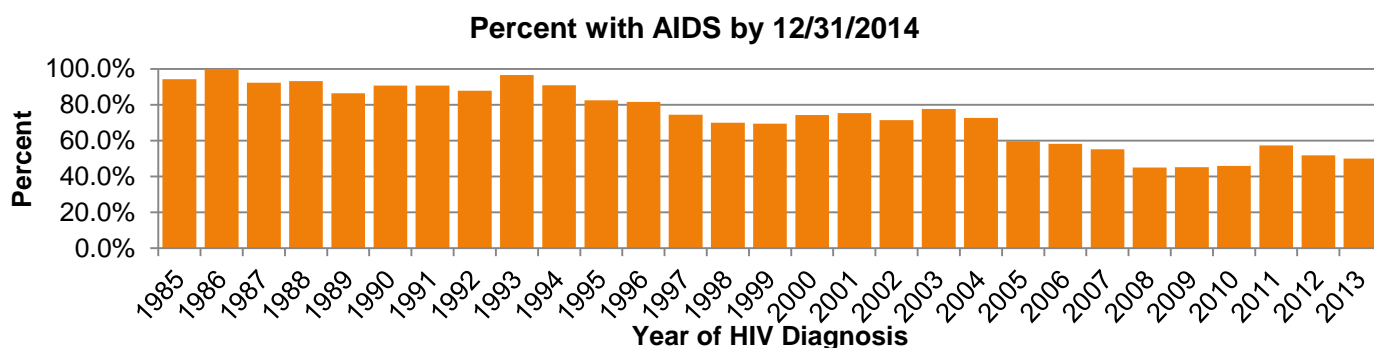
**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 200 copies per milliliter or greater.

## Section VIII – Disease Progression and Mortality

**Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2013, Reported through 12/31/2015**

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 12/31/13 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2014 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by 12/31/2014, the Average Years from HIV Diagnosis to AIDS Diagnosis for Cases with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported Adult/Adolescent HIV Diagnoses with a Reported AIDS Diagnosis at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2013, as Reported by Name through 12/31/2015.

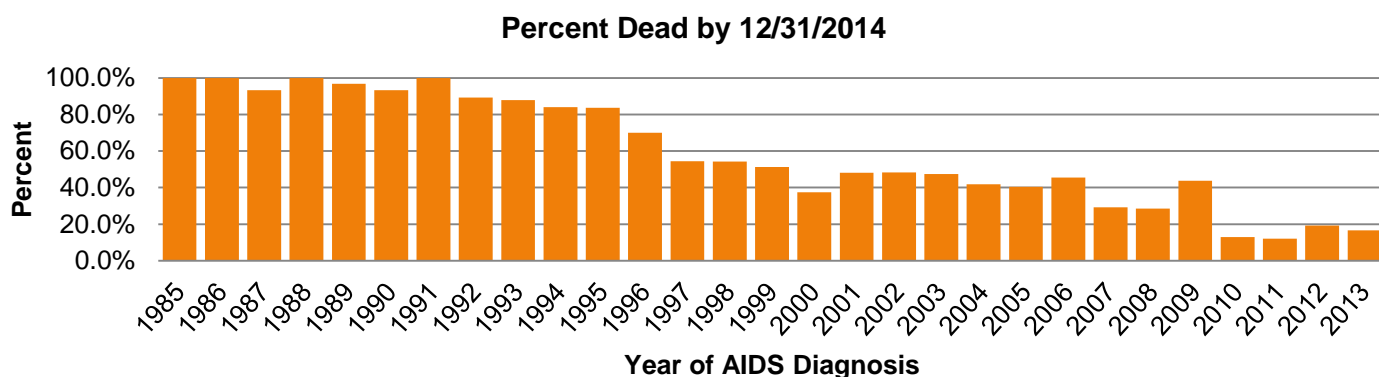


YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	8	8	100.0%	0.8	87.5%	87.5%	87.5%	100.0%
1985	18	17	94.4%	4.2	55.6%	55.6%	61.1%	83.3%
1986	21	21	100.0%	3.0	52.4%	57.1%	76.2%	95.2%
1987	39	36	92.3%	5.0	35.9%	35.9%	56.4%	76.9%
1988	45	42	93.3%	3.7	48.9%	53.3%	73.3%	82.2%
1989	74	64	86.5%	3.9	40.5%	44.6%	58.1%	81.1%
1990	54	49	90.7%	3.6	38.9%	42.6%	61.1%	83.3%
1991	75	68	90.7%	3.0	45.3%	49.3%	66.7%	86.7%
1992	66	58	87.9%	3.6	40.9%	47.0%	65.2%	80.3%
1993	61	59	96.7%	2.3	54.1%	67.2%	85.2%	91.8%
1994	77	70	90.9%	2.1	63.6%	68.8%	76.6%	84.4%
1995	69	57	82.6%	2.1	52.2%	56.5%	71.0%	81.2%
1996	49	40	81.6%	3.4	44.9%	46.9%	55.1%	75.5%
1997	55	41	74.5%	1.4	56.4%	58.2%	67.3%	72.7%
1998	67	47	70.1%	3.3	41.8%	44.8%	50.7%	59.7%
1999	56	39	69.6%	1.8	55.4%	57.1%	58.9%	64.3%
2000	35	26	74.3%	1.8	48.6%	48.6%	65.7%	71.4%
2001	57	43	75.4%	1.0	59.6%	63.2%	68.4%	75.4%
2002	35	25	71.4%	1.4	51.4%	57.1%	65.7%	68.6%
2003	45	35	77.8%	1.5	60.0%	62.2%	68.9%	77.8%
2004	44	32	72.7%	1.9	50.0%	50.0%	59.1%	72.7%
2005	47	28	59.6%	0.9	51.1%	51.1%	55.3%	--
2006	48	28	58.3%	1.2	47.9%	47.9%	54.2%	--
2007	38	21	55.3%	1.1	44.7%	44.7%	52.6%	--
2008	40	18	45.0%	1.2	32.5%	35.0%	40.0%	--
2009	42	19	45.2%	0.9	40.5%	40.5%	--	--
2010	37	17	45.9%	0.8	37.8%	40.5%	--	--
2011	47	27	57.4%	0.5	51.1%	53.2%	--	--
2012	27	14	51.9%	0.3	51.9%	51.9%	--	--
2013	28	14	50.0%	0.1	50.0%	--	--	--
TOTAL	1,404	1,063	75.7%	2.4	48.7%	51.8%	61.8%	71.8%



**Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2013, Reported through 12/31/2015**

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/13 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by 12/31/2014 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by 12/31/2014, the Average Years from AIDS Diagnosis to Death for Cases that have Died, and the Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2013, as Reported by Name through 12/31/2015



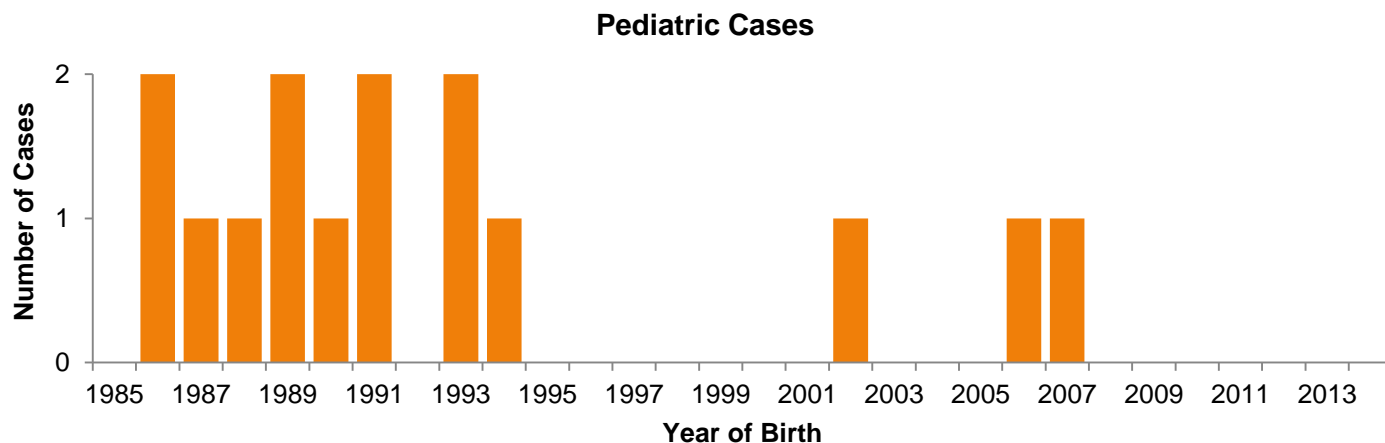
YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	7	7	100.0%	0.4	14.3%	0.0%	0.0%	0.0%
1985	10	10	100.0%	0.5	30.0%	0.0%	0.0%	0.0%
1986	9	9	100.0%	0.8	33.3%	22.2%	0.0%	0.0%
1987	15	14	93.3%	2.5	60.0%	40.0%	13.3%	13.3%
1988	21	21	100.0%	1.8	61.9%	28.6%	9.5%	0.0%
1989	31	30	96.8%	2.4	58.1%	45.2%	16.1%	6.5%
1990	30	28	93.3%	2.6	76.7%	50.0%	23.3%	6.7%
1991	38	38	100.0%	2.5	73.7%	42.1%	15.8%	2.6%
1992	37	33	89.2%	2.4	62.2%	40.5%	18.9%	16.2%
1993	58	51	87.9%	2.8	77.6%	53.4%	27.6%	15.5%
1994	81	68	84.0%	4.1	75.3%	63.0%	39.5%	25.9%
1995	61	51	83.6%	4.5	72.1%	62.3%	47.5%	26.2%
1996	40	28	70.0%	4.5	80.0%	75.0%	55.0%	37.5%
1997	57	31	54.4%	5.7	87.7%	80.7%	70.2%	56.1%
1998	46	25	54.3%	4.6	84.8%	80.4%	63.0%	52.2%
1999	41	21	51.2%	5.6	95.1%	87.8%	73.2%	56.1%
2000	32	12	37.5%	3.8	84.4%	78.1%	71.9%	68.8%
2001	52	25	48.1%	4.4	80.8%	78.8%	69.2%	61.5%
2002	29	14	48.3%	4.2	82.8%	75.9%	65.5%	62.1%
2003	40	19	47.5%	2.8	77.5%	70.0%	65.0%	52.5%
2004	31	13	41.9%	3.3	87.1%	77.4%	71.0%	61.3%
2005	37	15	40.5%	2.6	81.1%	81.1%	70.3%	--
2006	33	15	45.5%	2.4	75.8%	72.7%	63.6%	--
2007	24	7	29.2%	1.5	87.5%	87.5%	70.8%	--
2008	35	10	28.6%	2.0	85.7%	82.9%	74.3%	--
2009	16	7	43.8%	0.5	62.5%	56.3%	--	--
2010	31	4	12.9%	1.2	93.5%	90.3%	--	--
2011	33	4	12.1%	1.0	90.9%	90.9%	--	--
2012	26	5	19.2%	0.7	84.6%	84.6%	--	--
2013	24	4	16.7%	0.3	83.3%	--	--	--
TOTAL	1,025	619	60.4%	3.3	78.0%	67.9%	53.6%	44.2%



## Section IX – Pediatric Cases

**Figure 12 – Trends in Pediatric HIV Cases, 1985-2014, Reported through 12/31/2015**

Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Pediatric Total Living HIV Cases) from 1985 through 2014, as Reported by Name through 12/31/2015



YEAR	PEDIATRIC REPORTED HIV DIAGNOSES				PEDIATRIC TOTAL LIVING HIV CASES
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	No. Alive on 12/31 of Each Year
<1985	6	0	0	0	
1985	0	1	1	0	1
1986	2	1	0	0	2
1987	1	0	0	0	2
1988	1	1	0	0	3
1989	2	0	0	1	2
1990	1	1	0	0	3
1991	2	5	1	0	8
1992	0	3	2	1	10
1993	2	1	1	0	11
1994	1	1	2	0	12
1995	0	0	0	2	10
1996	0	1	1	1	9
1997	0	1	0	0	10
1998	0	0	0	0	10
1999	0	1	0	0	11
2000	0	0	0	0	11
2001	0	0	1	0	11
2002	1	0	1	0	11
2003	0	0	0	0	11
2004	0	1	0	0	12
2005	0	0	0	0	12
2006	1	0	0	1	11
2007	1	1	0	0	12
2008	0	0	1	0	12
2009	0	1	0	0	13
2010	0	1	0	0	14
2011	0	0	0	0	14
2012	0	0	1	0	13
2013	0	0	0	0	13
2014	0	0	0	0	13
TOTAL	21	21	12	6	

**Table 24 – Pediatric HIV Total Living HIV Cases, Alive on 12/31/2014, by Jurisdiction, Reported through 12/31/2015**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Caroline	1	7.7%
Cecil	2	15.4%
Dorchester	4	30.8%
Kent	1	7.7%
Queen Anne's	0	0.0%
Somerset	1	7.7%
Talbot	2	15.4%
Wicomico	1	7.7%
Worcester	1	7.7%
<b>TOTAL</b>	<b>13</b>	<b>100.0%</b>

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis for pediatric reported HIV diagnoses, and jurisdiction of residence at later of time of initial HIV diagnosis or initial AIDS diagnosis for pediatric total living HIV cases.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

**Table 25 – Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2014 and Reported through 12/31/2015**

SEX AT BIRTH	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Male	6	46.2%
Female	7	53.8%
TOTAL	13	100.0%

RACE/ETHNICITY	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Hispanic	1	7.7%
Non-Hispanic	12	92.3%
American Indian/ Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	5	38.5%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	7	53.8%
Multiracial/Other	0	0.0%
TOTAL	13	100.0%

**Pediatric Reported HIV Diagnoses:** Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

# Glossary of Terms

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Age on [date]:** Age group of living cases on the specified date.

**AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis that have died due to any cause.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Confirmed Perinatal HIV Transmissions:** Reported babies born to an HIV positive mother, with a confirmed HIV diagnosis.

**Current Residence 2009-2015:** Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-12/31/2015.

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Jurisdiction of Residence:** Jurisdiction of residence at time of initial HIV diagnosis or most recent lab test.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at the later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Last Known Residence:** Jurisdiction of residence from the most recent laboratory test or case report, reported through 12/31/2015.

**Live Births:** Babies born alive in the general population.

**Living HIV Cases with AIDS:** Reported HIV diagnoses with an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Living HIV Cases without AIDS:** Reported HIV diagnoses without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Mean Years from AIDS diagnosis to AIDS Death:** Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

**Median:** The measure of central location, which divides a set of data into two equal parts.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 200 copies per milliliter or greater.

**Number Linked to Care:** Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**On ART:** Estimated number of HIV Diagnosed receiving antiretroviral therapy (ART) during the specified year.

**Pediatric Reported HIV Diagnoses:** Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Percent Alive by Years after AIDS Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

**Percent with AIDS:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis by 12/31/2015.

**Percent with AIDS by Years after HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

**Perinatal HIV Transmission Rate:** Percent of confirmed perinatal HIV transmissions among reported perinatal HIV exposures.

**Population:** Population estimate for 7/1/2014.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2014.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Reported AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Reported Perinatal HIV Exposures:** Reported babies born to an HIV positive mother during the specified year.

**Retained in HIV Care:** HIV Diagnosed with a CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Women of Childbearing Age Total Living HIV cases:** Reported HIV diagnoses among women of child bearing age (13-49 years old) on December 31<sup>st</sup> of the specified year